

10271-037

(Sheet 1 of 36)

atg agt aat aaa aac gtc aat gta agg aaa tcg cag gaa ata aca ttc Met Ser Asn Lys Asn Val Asn Val Arg Lys Ser Gln Glu Ile Thr Phe 1 5 10 15	48
tgc ttg ctg gca ggt atc ctg atg ttc atg gca atg atg gtt gcc gga Cys Leu Leu Ala Gly Ile Leu Met Phe Met Ala Met Met Val Ala Gly 20 25 30	96
cgc gct gaa gcg gga gtg gcc tta ggt gcg act cgc gta att tat ccg Arg Ala Glu Ala Gly Val Ala Leu Gly Ala Thr Arg Val Ile Tyr Pro 35 40 45	144
gca ggg caa aaa caa gtg caa ctt gcc gtg aca aat aat gat gaa aat Ala Gly Gln Lys Gln Val Gln Leu Ala Val Thr Asn Asn Asp Glu Asn 50 55 60	192
agt acc tat tta att caa tca tgg gtg gaa aat gcc gat ggt gta aag Ser Thr Tyr Leu Ile Gln Ser Trp Val Glu Asn Ala Asp Gly Val Lys 65 70 75 80	240
gat ggt cgt ttt atc gtg acg cct cct ctg ttt gcg atg aag gga aaa Asp Gly Arg Phe Ile Val Thr Pro Pro Leu Phe Ala Met Lys Gly Lys 85 90 95	288
aaa gag aat acc tta cgt att ctt gat gca aca aat aac caa ttg cca Lys Glu Asn Thr Leu Arg Ile Leu Asp Ala Thr Asn Asn Gln Leu Pro 100 105 110	336
cag gac cgg gaa agt tta ttc tgg atg aac gtt aaa gcg att ccg tca Gln Asp Arg Glu Ser Leu Phe Trp Met Asn Val Lys Ala Ile Pro Ser 115 120 125	384
atg gat aaa tca aaa ttg act gag aat acg cta cag ctc gca att atc Met Asp Lys Ser Lys Leu Thr Glu Asn Thr Leu Gln Leu Ala Ile Ile 130 135 140	432
agc cgc att aaa ctg tac tat cgc ccg gct aaa tta gcg ttg cca ccc Ser Arg Ile Lys Leu Tyr Tyr Arg Pro Ala Lys Leu Ala Leu Pro P o 145 150 155 160	480
gat cag gcc gca gaa aaa tta aga ttt cgt cgt agc gcg aat tct ccg Asp Gln Ala Ala Glu Lys Leu Arg Phe Arg Arg Ser Ala Asn Ser Leu 165 170 175	528
acg ctg att aac ccg aca ccc tat tac ctg acg gta aca gag ttg aat Thr Leu Ile Asn Pro Thr Pro Tyr Tyr Leu Thr Val Thr Glu Leu Asn 180 185 190	576
gcc gga acc cgg gtt ctt gaa aat gca ttg gtg cct cca atg ggc gaa Ala Gly Thr Arg Val Leu Glu Asn Ala Leu Val Pro Pro Met Gly G u 195 200 205	624
agc acg gtt aaa ttg cct tct gat gca gga agc aat att act tac cca Ser Thr Val Lys Leu Pro Ser Asp Ala Gly Ser Asn Ile Thr Tyr Arg 210 215 220	672
aca ata aat gat tat ggc gca ctt acc ccc aaa atg acg ggc gta aag Thr Ile Asn Asp Tyr Gly Ala Leu Thr Pro Lys Met Thr Gly Val Met 225 230 235 240	720
gaa taa Glu	726

Figure 1A

Met Ser Asn Lys Asn Val Asn Val Arg Lys Ser Gln Glu Ile Thr Phe  
 1 5 10 15  
 Cys Leu Leu Ala Gly Ile Leu Met Phe Met Ala Met Met Val Ala Gly  
 20 25 30  
 Arg Ala Glu Ala Gly Val Ala Leu Gly Ala Thr Arg Val Ile Tyr Pro  
 35 40 45  
 Ala Gly Gln Lys Gln Val Gln Leu Ala Val Thr Asn Asn Asp Glu Asn  
 50 55 60  
 Ser Thr Tyr Leu Ile Gln Ser Trp Val Glu Asn Ala Asp Gly Val Lys  
 65 70 75 80  
 Asp Gly Arg Phe Ile Val Thr Pro Pro Leu Phe Ala Met Lys Gly Lys  
 85 90 95  
 Lys Glu Asn Thr Leu Arg Ile Leu Asp Ala Thr Asn Asn Gln Leu Pro  
 100 105 110  
 Gln Asp Arg Glu Ser Leu Phe Trp Met Asn Val Lys Ala Ile Pro Ser  
 115 120 125  
 Met Asp Lys Ser Lys Leu Thr Glu Asn Thr Leu Gln Leu Ala Ile Ile  
 130 135 140  
 Ser Arg Ile Lys Leu Tyr Tyr Arg Pro Ala Lys Leu Ala Leu Pro Pro  
 145 150 155 160  
 Asp Gln Ala Ala Glu Lys Leu Arg Phe Arg Arg Ser Ala Asn Ser Leu  
 165 170 175  
 Thr Leu Ile Asn Pro Thr Pro Tyr Tyr Leu Thr Val Thr Glu Leu Asn  
 180 185 190  
 Ala Gly Thr Arg Val Leu Glu Asn Ala Leu Val Pro Pro Met Gly Glu  
 195 200 205  
 Ser Thr Val Lys Leu Pro Ser Asp Ala Gly Ser Asn Ile Thr Tyr Arg  
 210 215 220  
 Thr Ile Asn Asp Tyr Gly Ala Leu Thr Pro Lys Met Thr Gly Val Met  
 225 230 235 240  
 Glu

Figure 1B

atg	aaa	cga	ggt	att	acc	ctg	ttt	gct	gta	ctg	ctg	atg	ggc	tgg	tgg	48
Met	Lys	Arg	Val	Ile	Thr	Leu	Phe	Ala	Val	Leu	Leu	Met	Gly	Trp	Ser	
	-20					-15					-10					
gta	aat	gcc	tgg	tca	ttc	gcc	tgt	aaa	acc	gcc	aat	ggt	acc	gct	atc	96
Val	Asn	Ala	Trp	Ser	Phe	Ala	Cys	Lys	Thr	Ala	Asn	Gly	Thr	Ala	Ile	
-5				-1	1				5					10		
cct	att	ggc	ggt	ggc	agc	gcc	aat	ggt	tat	gta	aac	ctt	gcg	ccc	gtc	144
Pro	Ile	Gly	Gly	Gly	Ser	Ala	Asn	Val	Tyr	Val	Asn	Leu	Ala	Pro	Val	
		15						20					25			
gtg	aat	gtg	ggg	caa	aac	ctg	gtc	gtg	gat	ctt	tgc	acg	caa	atc	ttt	192
Val	Asn	Val	Gly	Gln	Asn	Leu	Val	Val	Asp	Leu	Ser	Thr	Gln	Ile	Phe	
	30						35					40				
tgc	cat	aac	gat	tat	ccg	gaa	acc	att	aca	gac	tat	gtc	aca	ctg	caa	240
Cys	His	Asn	Asp	Tyr	Pro	Glu	Thr	Ile	Thr	Asp	Tyr	Val	Thr	Leu	Gln	
	45					50					55					
cga	ggc	tgc	gct	tat	ggc	ggc	gtg	tta	tct	aat	ttt	tcc	ggg	acc	gta	288
Arg	Gly	Ser	Ala	Tyr	Gly	Gly	Val	Leu	Ser	Asn	Phe	Ser	Gly	Thr	Val	
60					65				70						75	
aaa	tat	agt	ggc	agt	agc	tat	cca	ttt	cct	acc	acc	agc	gaa	acg	ccg	336
Lys	Tyr	Ser	Gly	Ser	Ser	Tyr	Pro	Phe	Pro	Thr	Thr	Ser	Glu	Thr	Pro	
				80					85					90		
cgc	gtt	gtt	tat	aat	tgc	aga	acg	gat	aag	ccg	tgg	ccg	gtg	gcg	ctt	384
Arg	Val	Val	Tyr	Asn	Ser	Arg	Thr	Asp	Lys	Pro	Trp	Pro	Val	Ala	Leu	
			95					100					105			
tat	ttg	acg	cct	gtg	agc	agt	gcg	ggc	ggg	gtg	gcg	att	aaa	gct	ggc	432
Tyr	Leu	Thr	Pro	Val	Ser	Ser	Ala	Gly	Gly	Val	Ala	Ile	Lys	Ala	Gly	
		110					115					120				
tca	tta	att	gcc	gtg	ctt	att	ttg	cga	cag	acc	aac	aac	tat	aac	agc	480
Ser	Leu	Ile	Ala	Val	Leu	Ile	Leu	Arg	Gln	Thr	Asn	Asn	Tyr	Asn	Ser	
	125					130					135					
gat	gat	ttc	cag	ttt	gtg	tgg	aat	att	tac	gcc	aat	aat	gat	gtg	gtg	528
Asp	Asp	Phe	Gln	Phe	Val	Trp	Asn	Ile	Tyr	Ala	Asn	Asn	Asp	Val	Val	
140					145					150					155	
gtg	cct	act	ggc	ggc	tgc	gat	gtt	tct	gct	cgt	gat	gtc	acc	gtt	act	576
Val	Pro	Thr	Gly	Gly	Cys	Asp	Val	Ser	Ala	Arg	Asp	Val	Thr	Val	Thr	
			160						165					170		
ctg	ccg	gac	tac	cct	ggg	tca	gtg	cca	att	cct	ctt	acc	gtt	tat	tgt	624
Leu	Pro	Asp	Tyr	Pro	Gly	Ser	Val	Pro	Ile	Pro	Leu	Thr	Val	Tyr	Cys	
			175					180						185		

Figure 1C

gcg aaa agc caa aac ctg ggg tat tac ctc tcc ggc aca acc gca cat	672
Ala Lys Ser Gln Asn Leu Gly Tyr Tyr Leu Ser Gly Thr Thr Ala Asp	
190 195 200	
gcg ggc aac tcg att ttc acc aat acc gcg tcg ttt tca cct gca cag	720
Ala Gly Asn Ser Ile Phe Thr Asn Thr Ala Ser Phe Ser Pro Ala Gln	
205 210 215	
ggc gtc ggc gta cag ttg acg cgc aac ggt acg att att cca gcg aat	768
Gly Val Gly Val Gln Leu Thr Arg Asn Gly Thr Ile Ile Pro Ala Asn	
220 225 230 235	
aac acg gta tcg tta gga gca gta ggg act tcg gcg gtg agt ctg gga	816
Asn Thr Val Ser Leu Gly Ala Val Gly Thr Ser Ala Val Ser Leu Gly	
240 245 250	
tta acg gca aat tat gca cgt acc gga ggg cag gtg act gca ggg aat	864
Leu Thr Ala Asn Tyr Ala Arg Thr Gly Gly Gln Val Thr Ala Gly Asn	
255 260 265	
gtg caa tcg att att ggc gtg act ttt gtt tat caa taa	903
Val Gln Ser Ile Ile Gly Val Thr Phe Val Tyr Gln	
270 275	

Figure 1C (Cont'd)

Met Lys Arg Val Ile Thr Leu Phe Ala Val Leu Leu Met Gly Trp Ser  
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 Val Asn Ala Trp Ser Phe Ala Cys Lys Thr Ala Asn Gly Thr Ala Ile  
 -5 -1 1 5 10  
 Pro Ile Gly Gly Gly Ser Ala Asn Val Tyr Val Asn Leu Ala Pro Val  
 15 20 25  
 Val Asn Val Gly Gln Asn Leu Val Val Asp Leu Ser Thr Gln Ile Phe  
 30 35 40  
 Cys His Asn Asp Tyr Pro Glu Thr Ile Thr Asp Tyr Val Thr Leu Gln  
 45 50 55  
 Arg Gly Ser Ala Tyr Gly Gly Val Leu Ser Asn Phe Ser Gly Thr Val  
 60 65 70 75  
 Lys Tyr Ser Gly Ser Ser Tyr Pro Phe Pro Thr Thr Ser Glu Thr Pro  
 80 85 90  
 Arg Val Val Tyr Asn Ser Arg Thr Asp Lys Pro Trp Pro Val Ala Leu  
 95 100 105  
 Tyr Leu Thr Pro Val Ser Ser Ala Gly Gly Val Ala Ile Lys Ala Gly  
 110 115 120  
 Ser Leu Ile Ala Val Leu Ile Leu Arg Gln Thr Asn Asn Tyr Asn Ser  
 125 130 135  
 Asp Asp Phe Gln Phe Val Trp Asn Ile Tyr Ala Asn Asn Asp Val Val  
 140 145 150 155  
 Val Pro Thr Gly Gly Cys Asp Val Ser Ala Arg Asp Val Thr Val Thr  
 160 165 170  
 Leu Pro Asp Tyr Pro Gly Ser Val Pro Ile Pro Leu Thr Val Tyr Cys  
 175 180 185  
 Ala Lys Ser Gln Asn Leu Gly Tyr Tyr Leu Ser Gly Thr Thr Ala Asp  
 190 195 200  
 Ala Gly Asn Ser Ile Phe Thr Asn Thr Ala Ser Phe Ser Pro Ala Gln  
 205 210 215  
 Gly Val Gly Val Gln Leu Thr Arg Asn Gly Thr Ile Ile Pro Ala Asn  
 220 225 230 235  
 Asn Thr Val Ser Leu Gly Ala Val Gly Thr Ser Ala Val Ser Leu Gly  
 240 245 250  
 Leu Thr Ala Asn Tyr Ala Arg Thr Gly Gly Gln Val Thr Ala Gly Asn  
 255 260 265  
 Val Gln Ser Ile Ile Gly Val Thr Phe Val Tyr Gln  
 270 275

Figure 1D

a



b

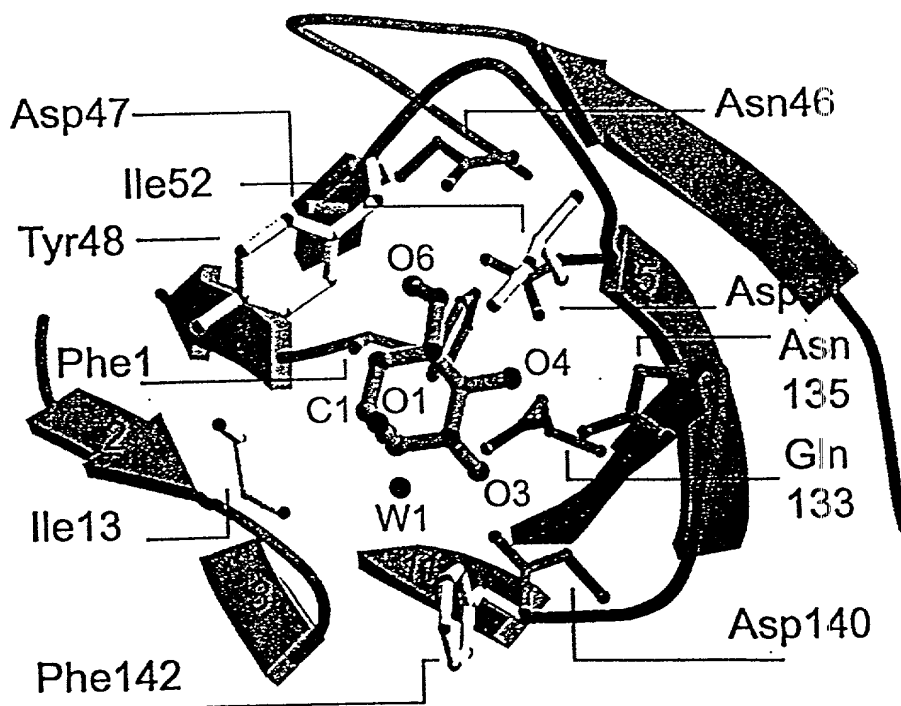
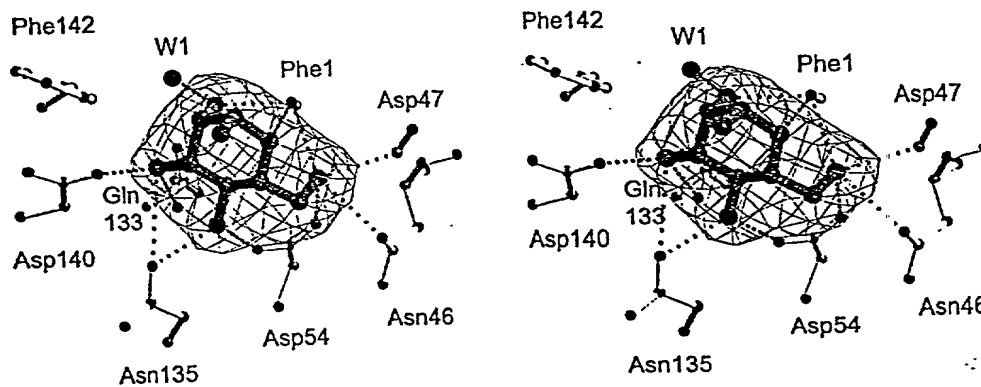


Figure 2  
Sheet 6 of 36

C

10271-037



d

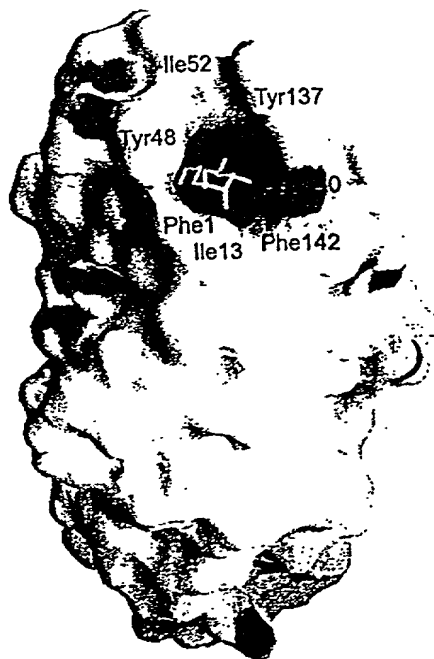


Figure 2  
Sheet 7 of 36

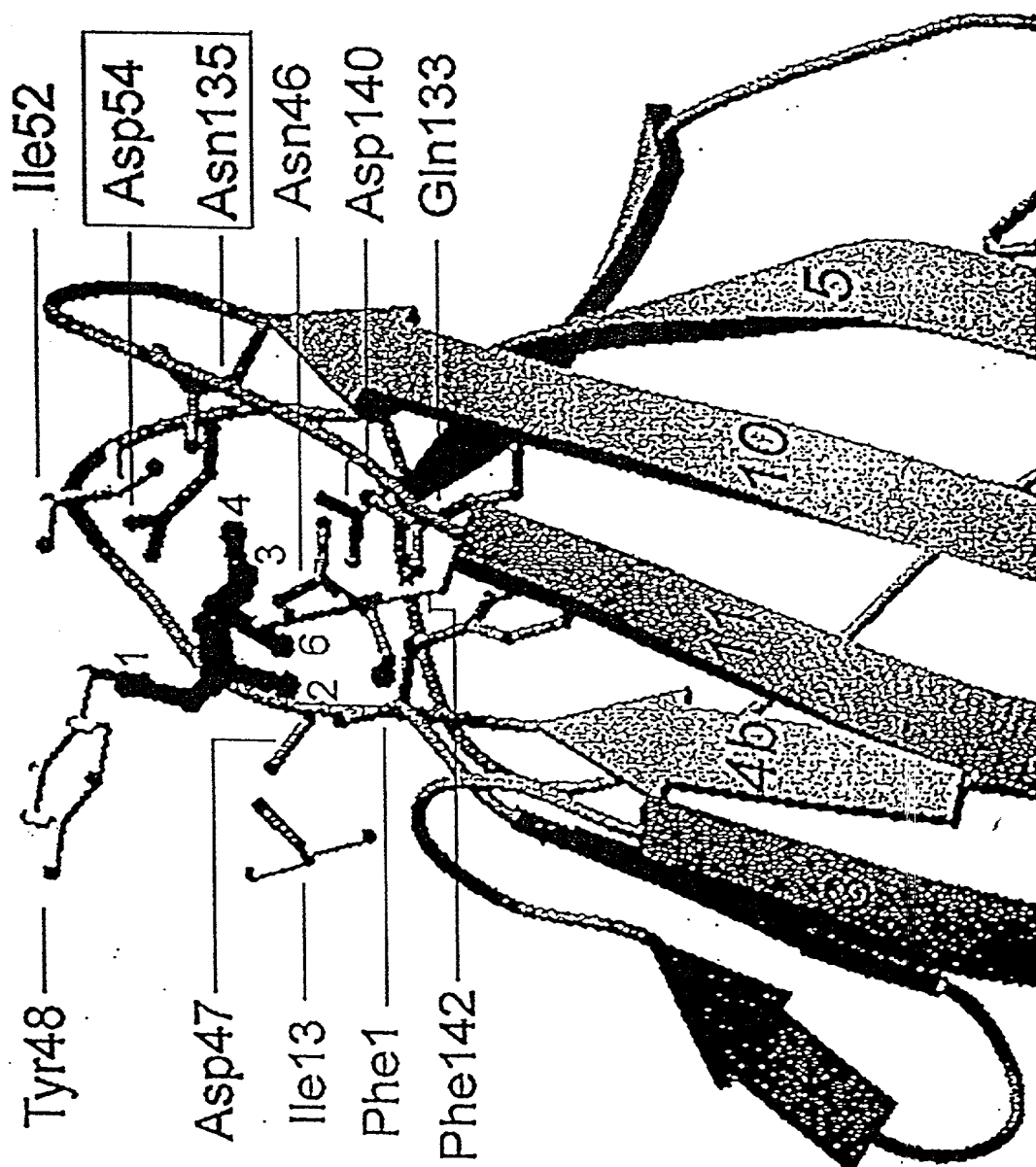


Figure 2  
Sheet 8 of 36



FOOTPRINT "S805T00T"

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Figure 3  
Sheet 9 of 36

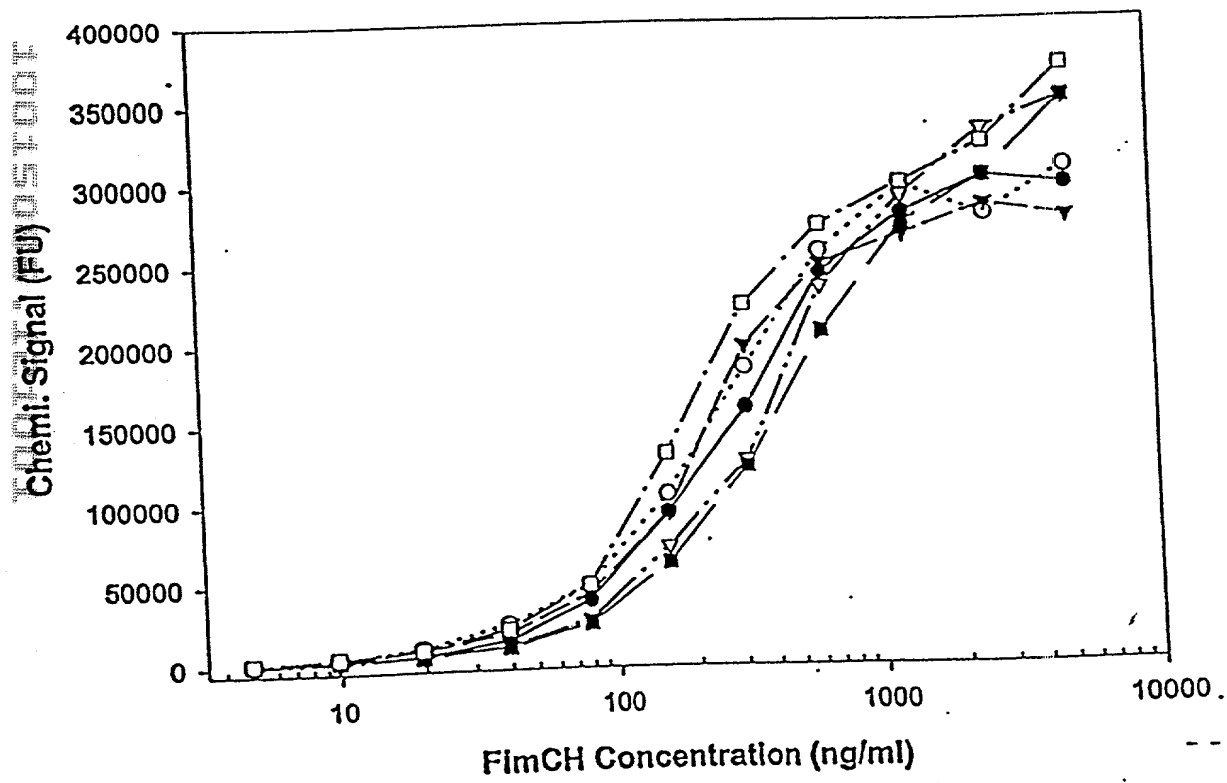


Figure 4  
Sheet 10 of 36

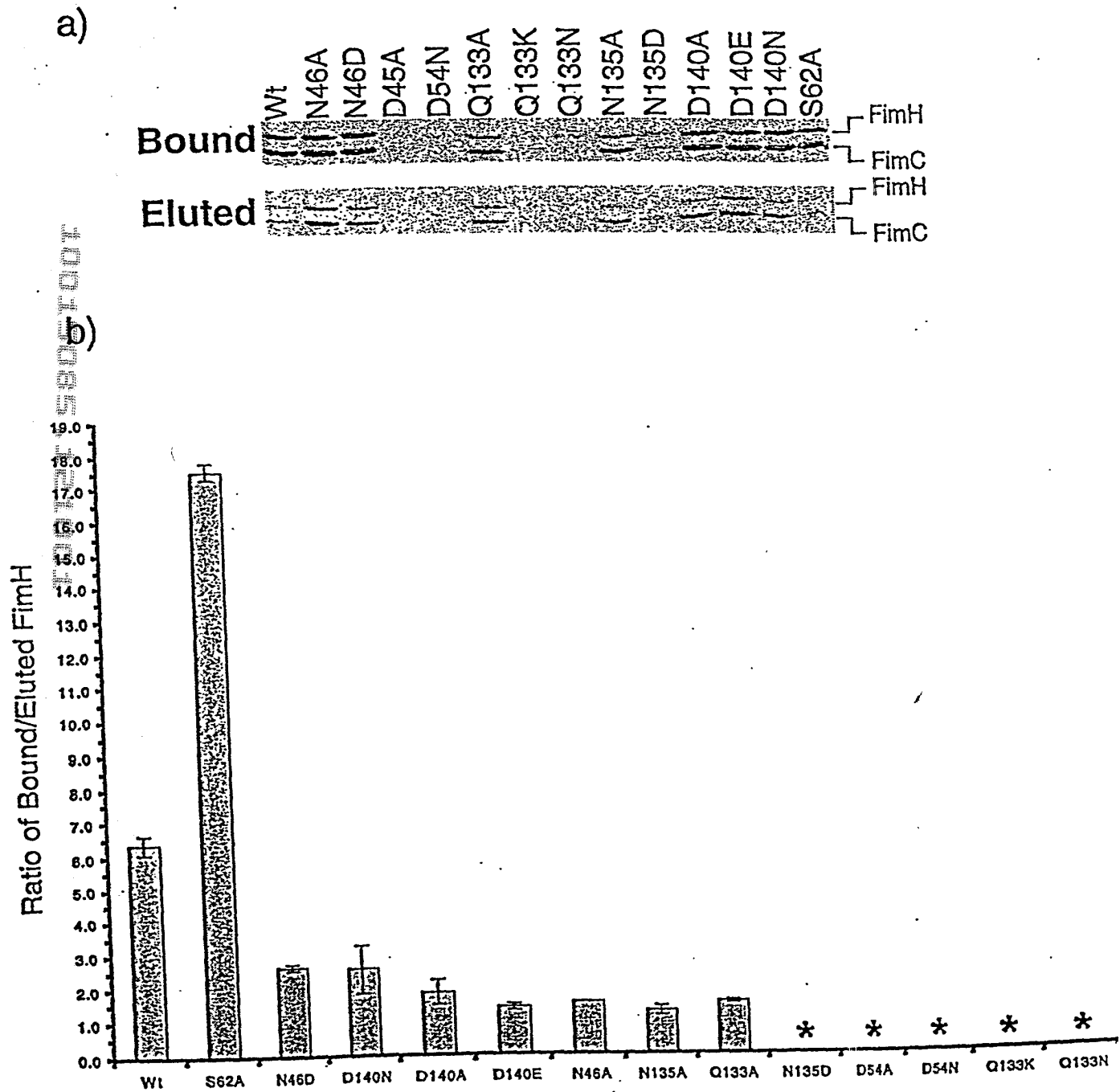


Figure 5  
Sheet 11 of 36

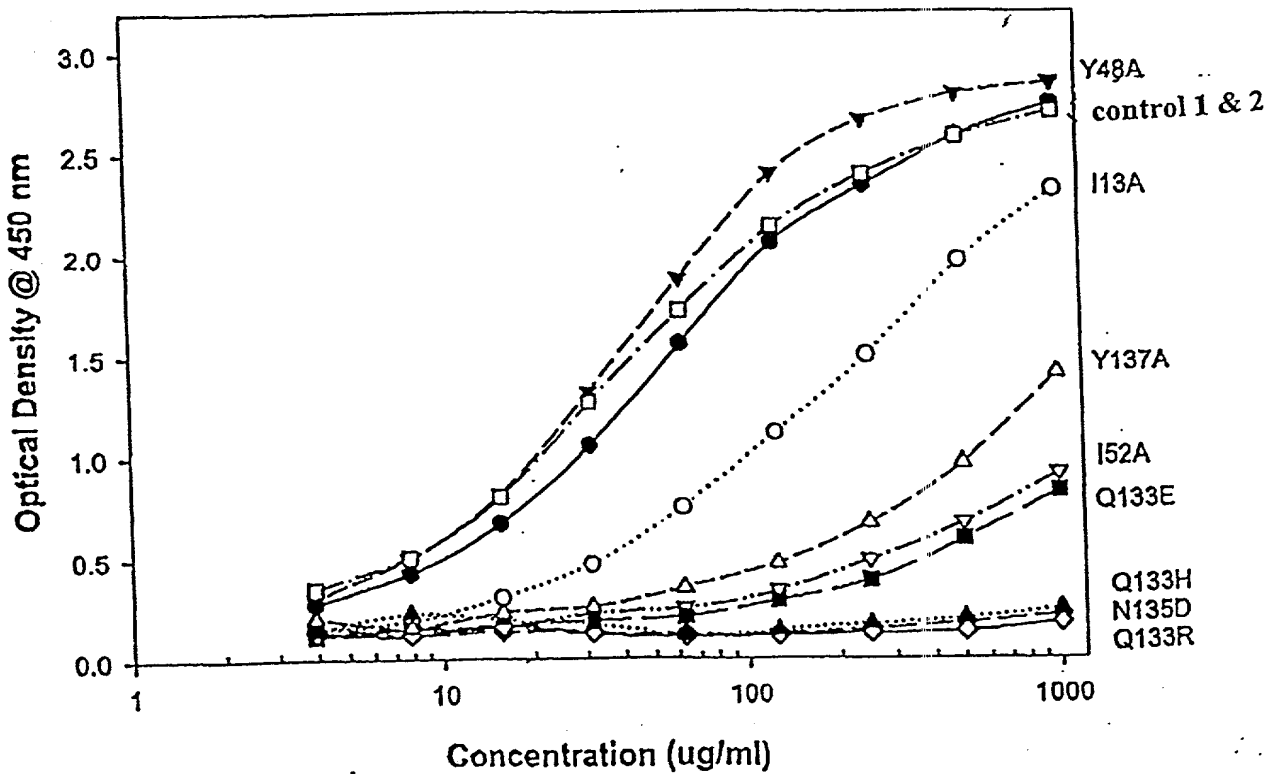
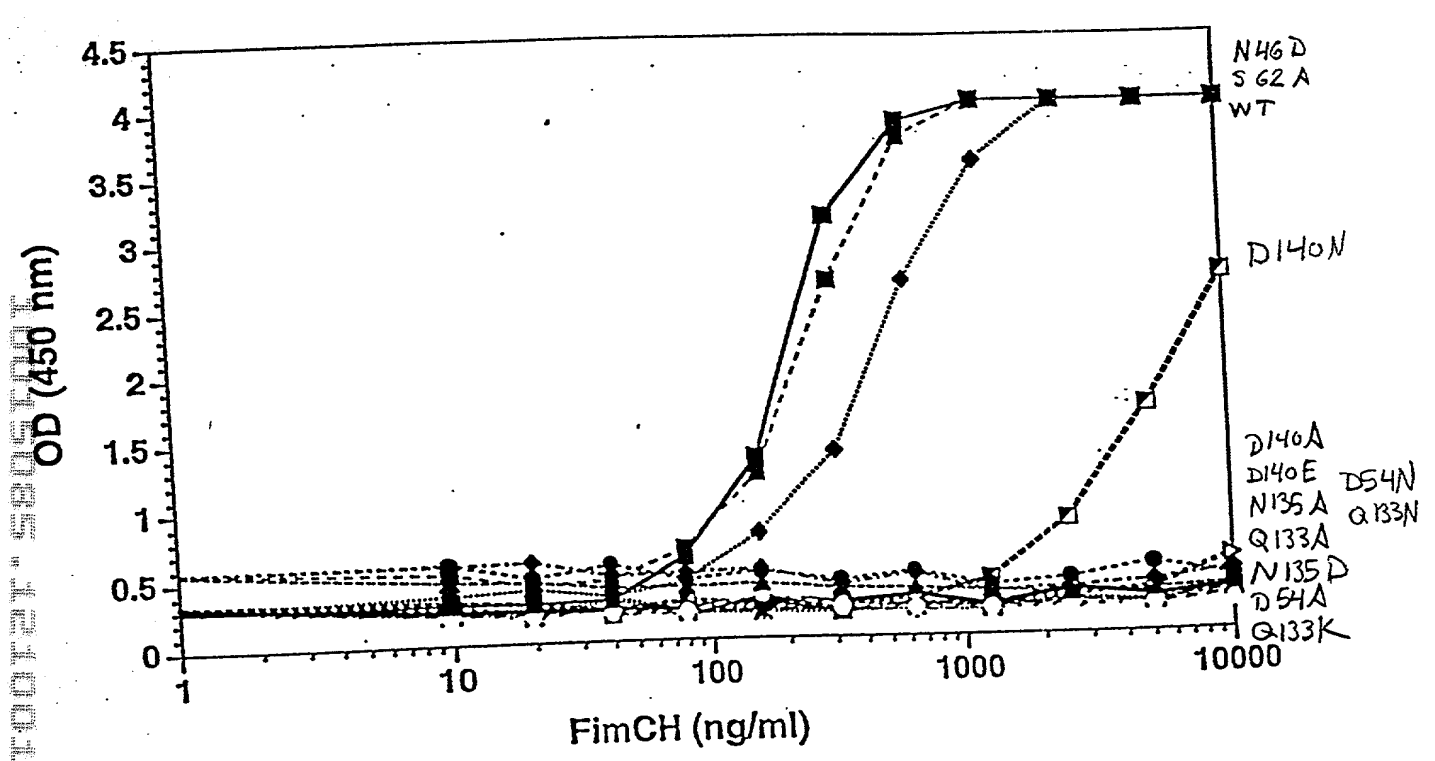


Figure 6  
Sheet 12 of 36

B)

10271-037

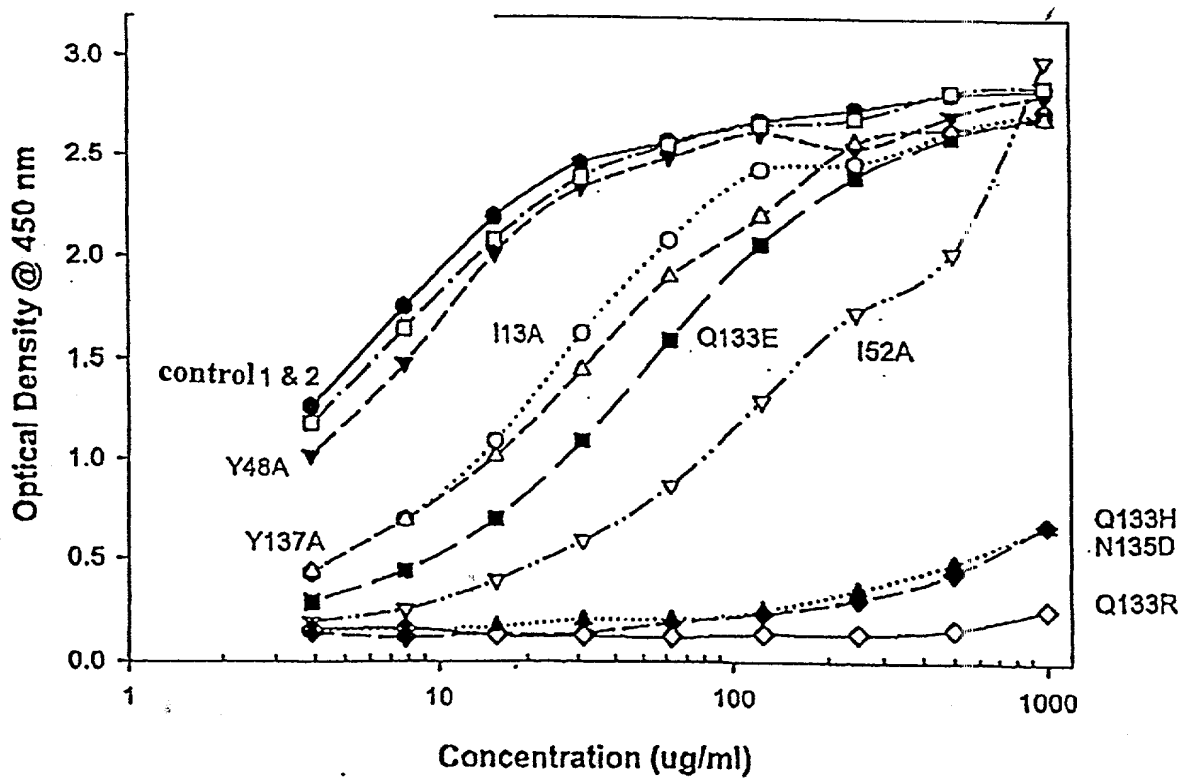
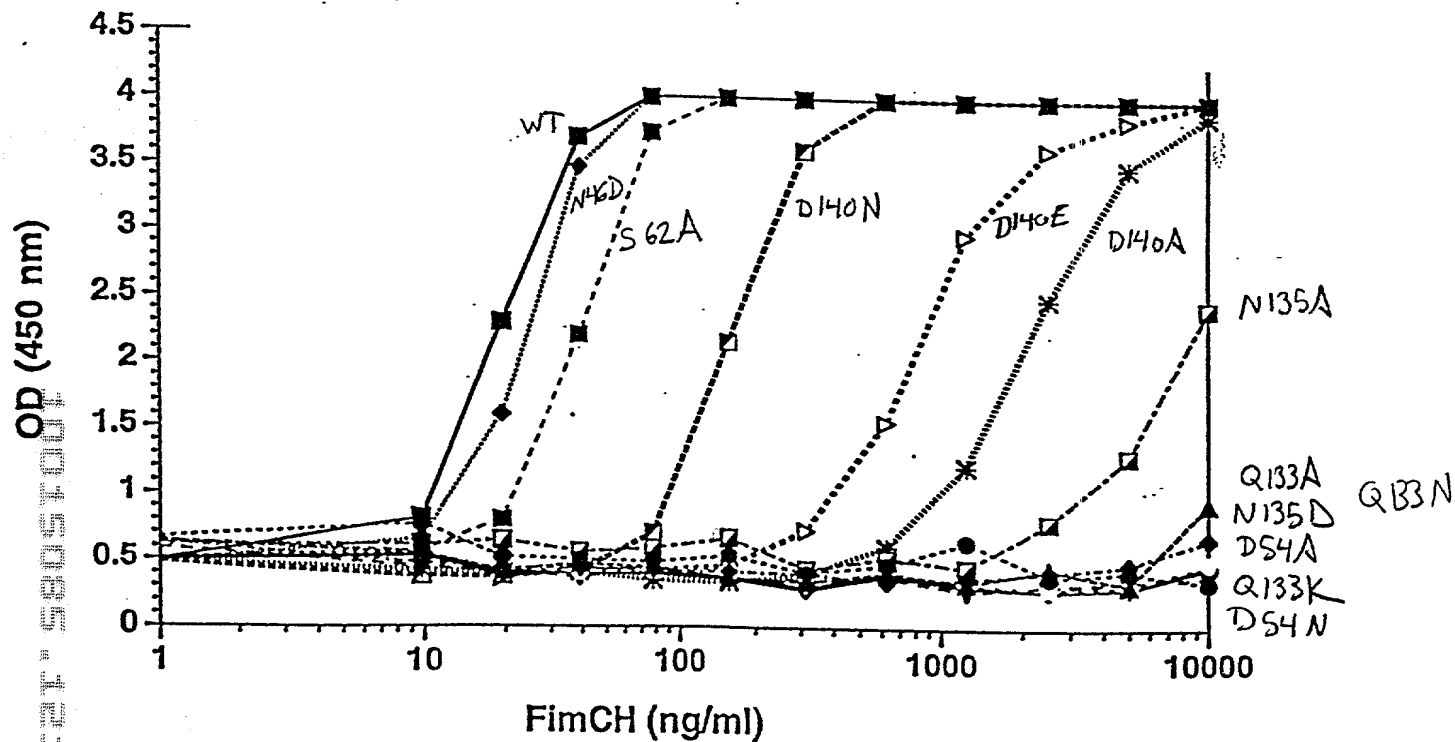
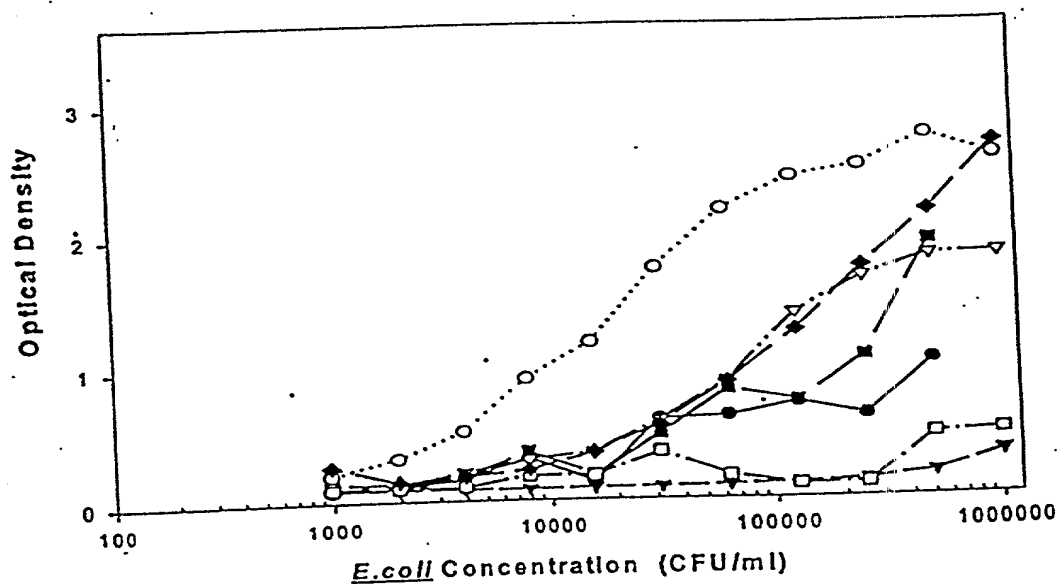


Figure 6  
Chart 12 of 22

A



B

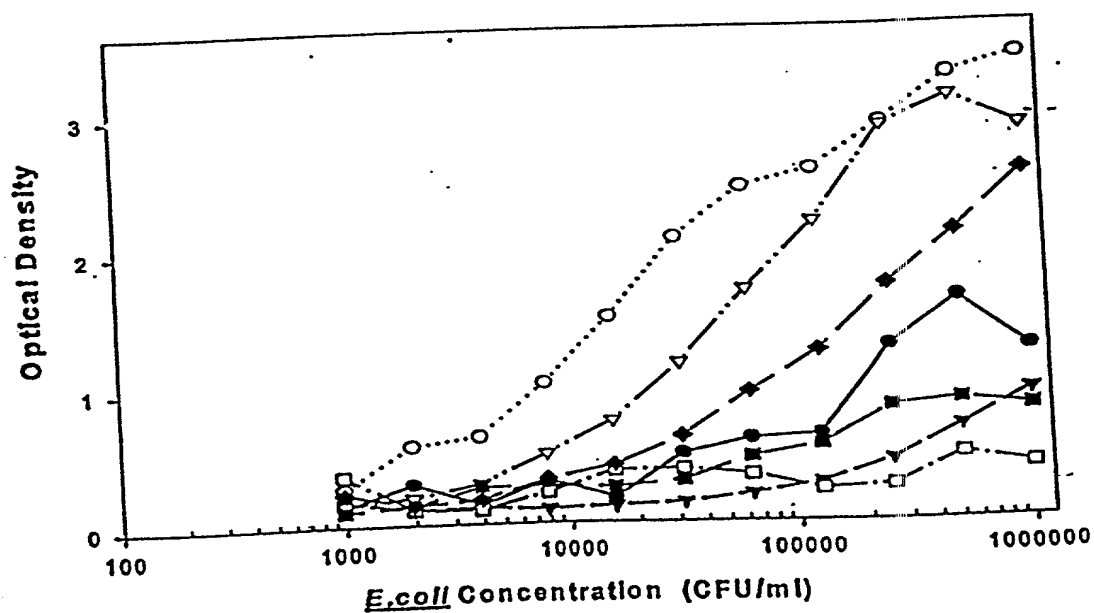


Figure 7  
Sheet 14 of 36

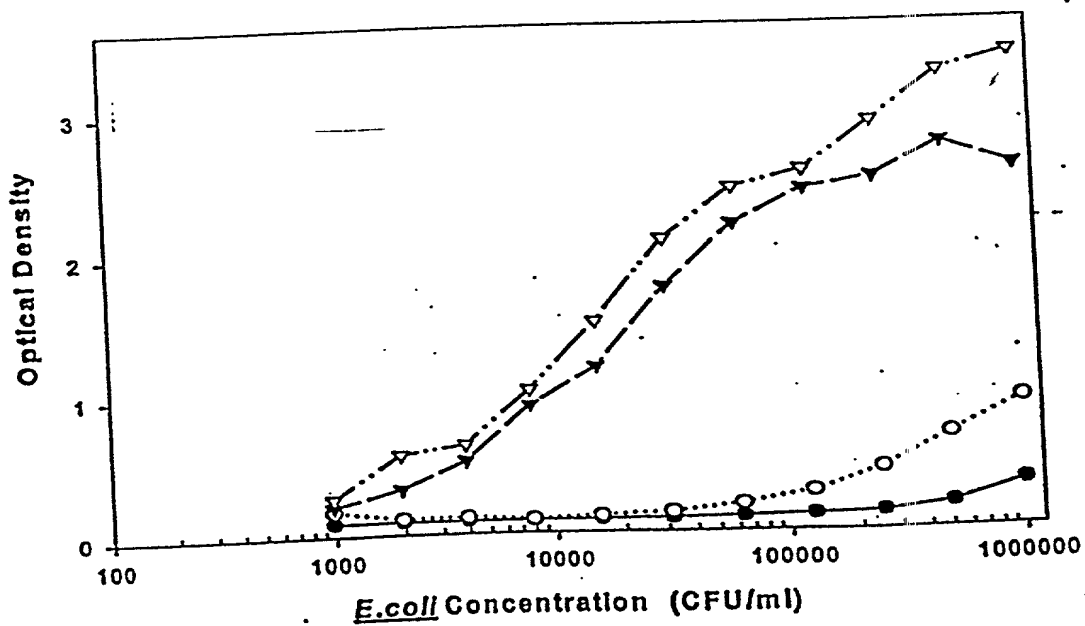
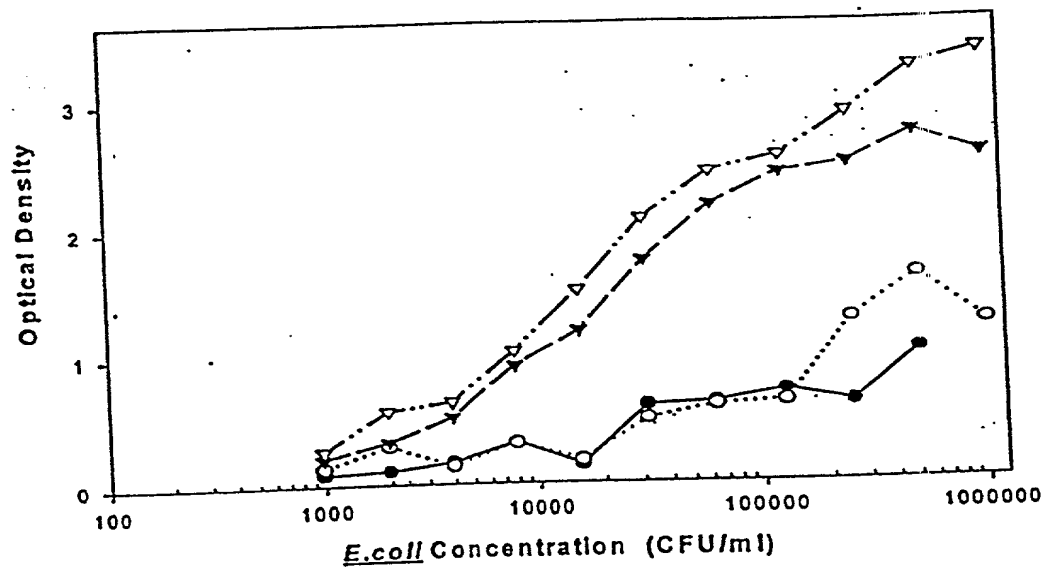


Figure 7  
Sheet 15 of 36

10271-037

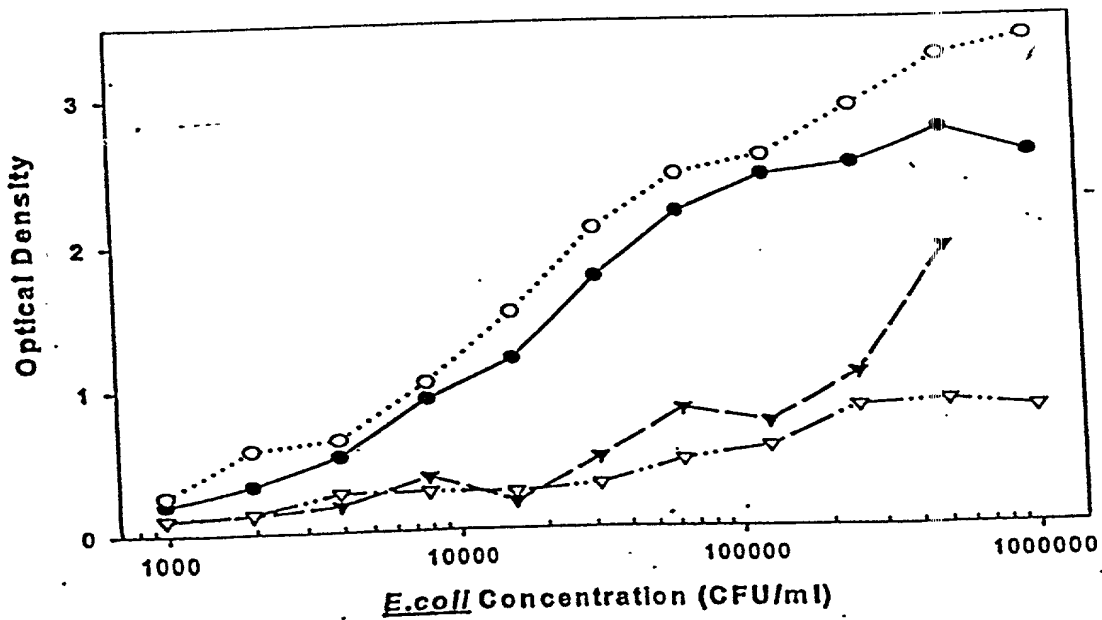
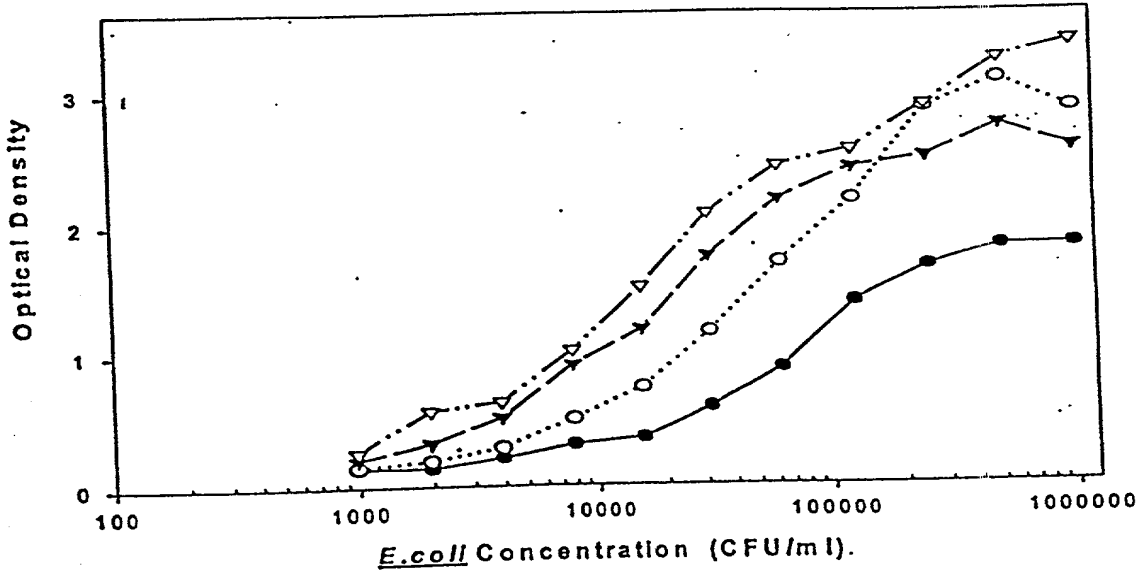


Figure 7  
Sheet 16 of 36



10271-037

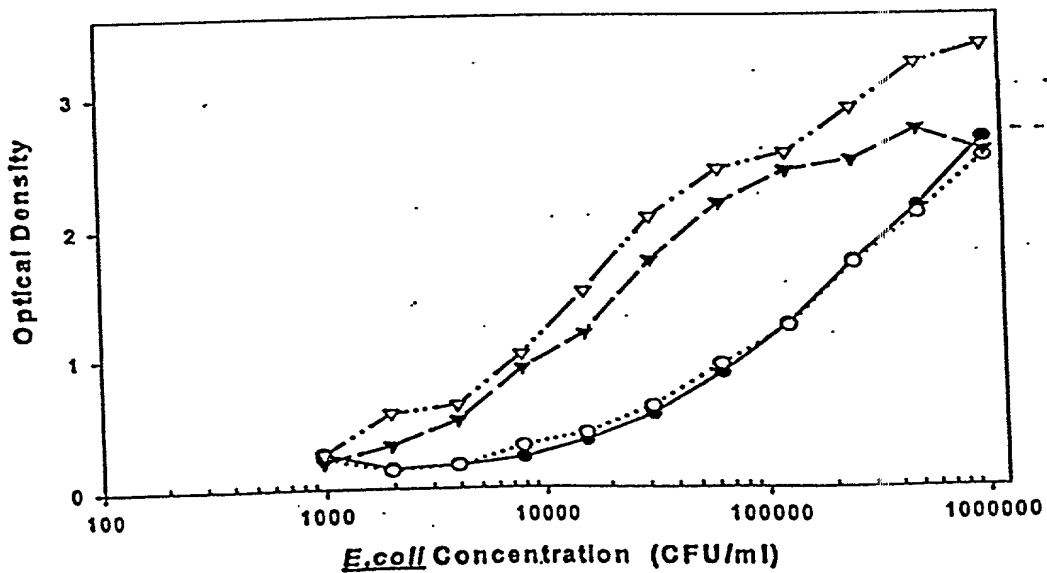
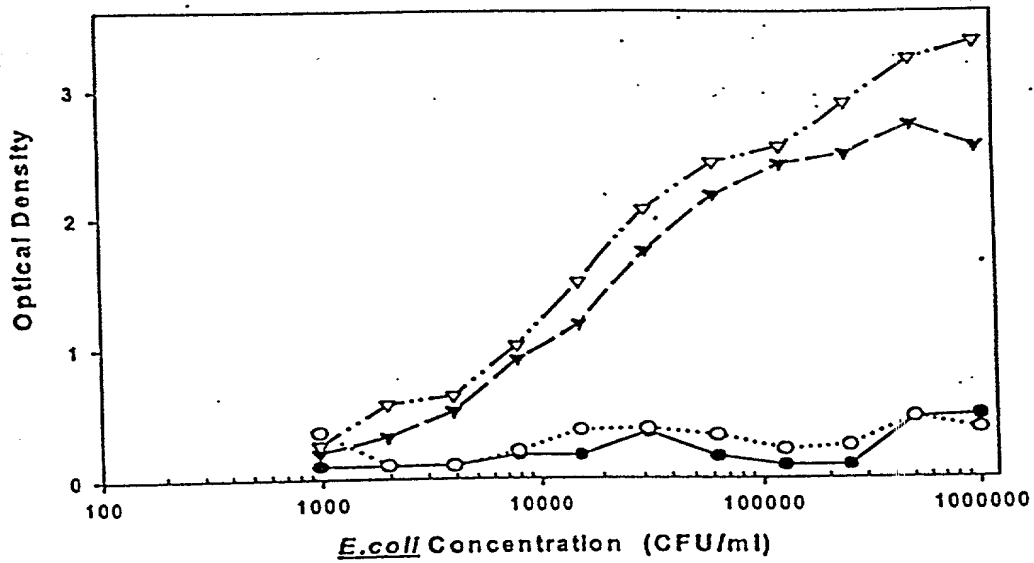


Figure 7  
Sheet 17 of 36

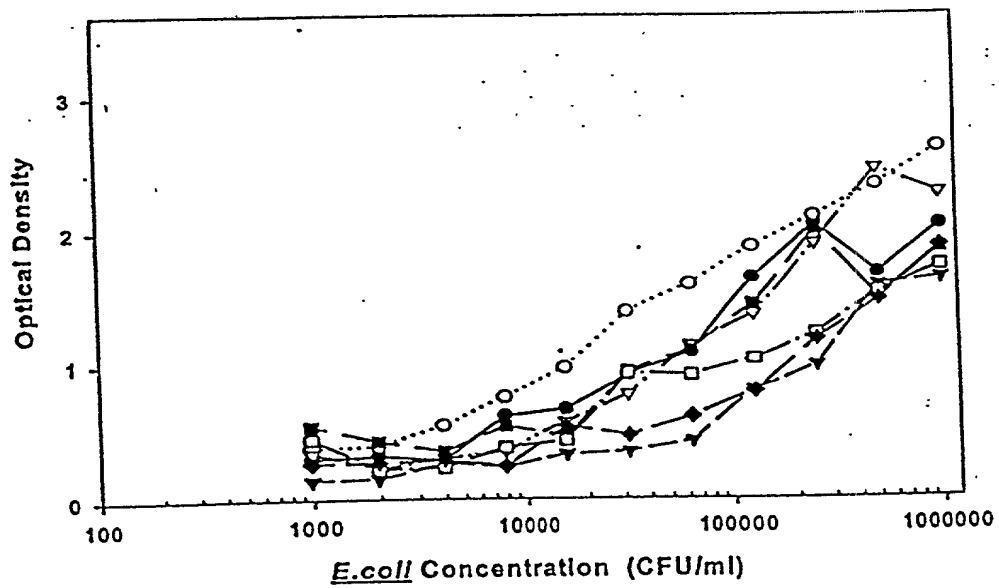
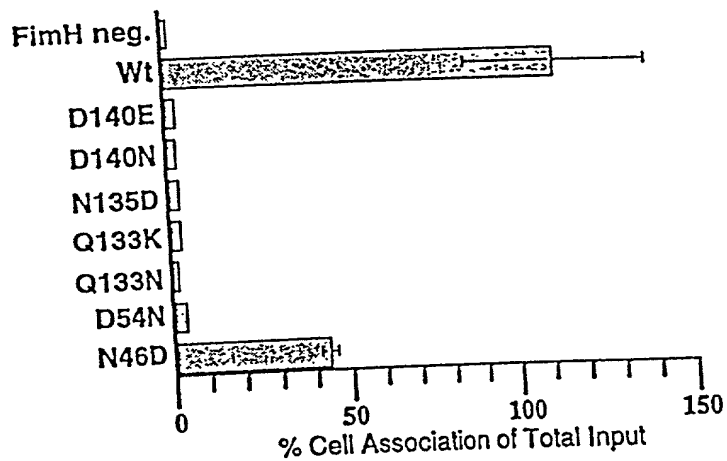
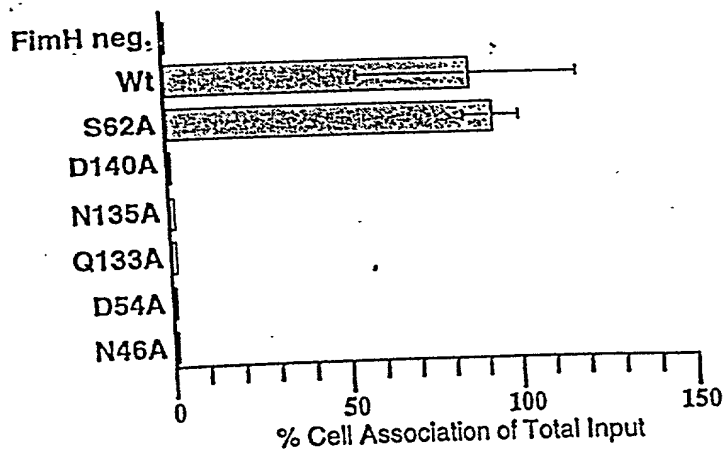


Figure 7  
Sheet 18 of 36

a)



B)

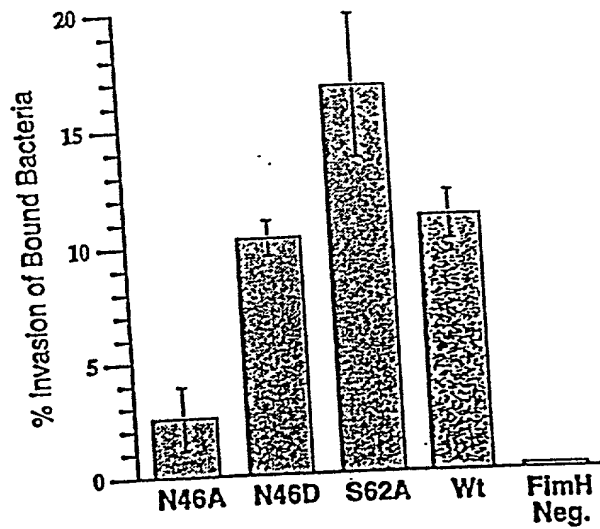


Figure 8  
Sheet 19 of 36

10271-037

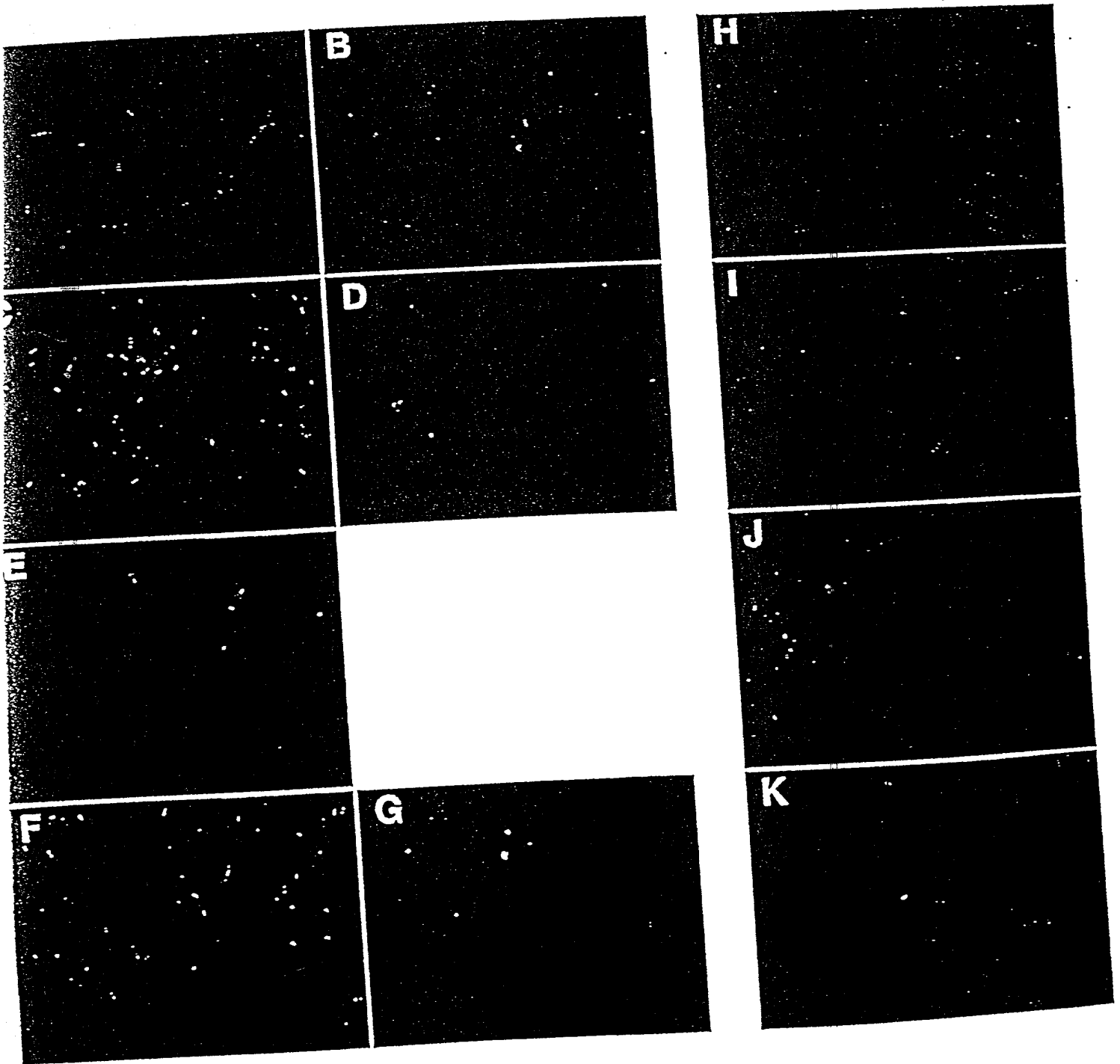
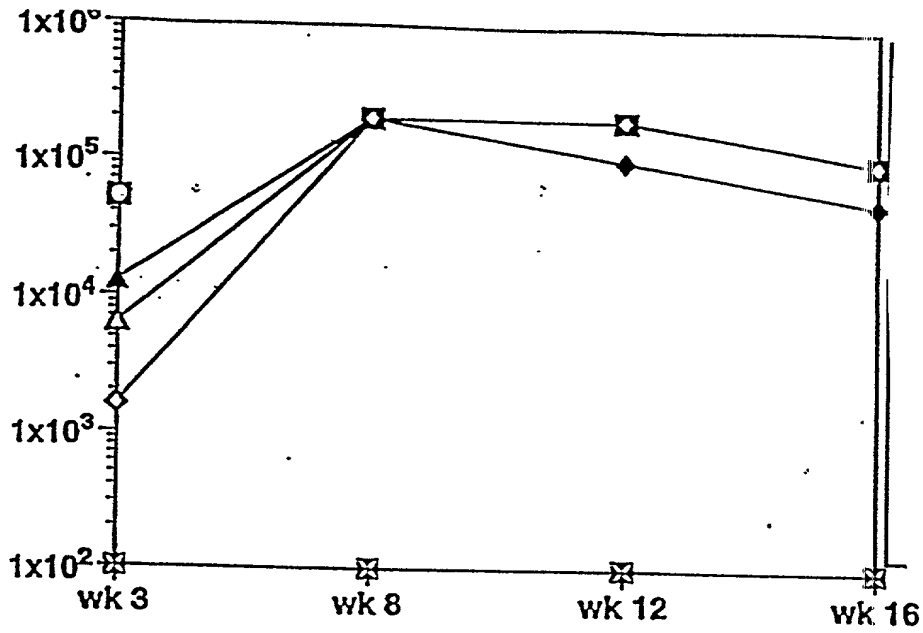
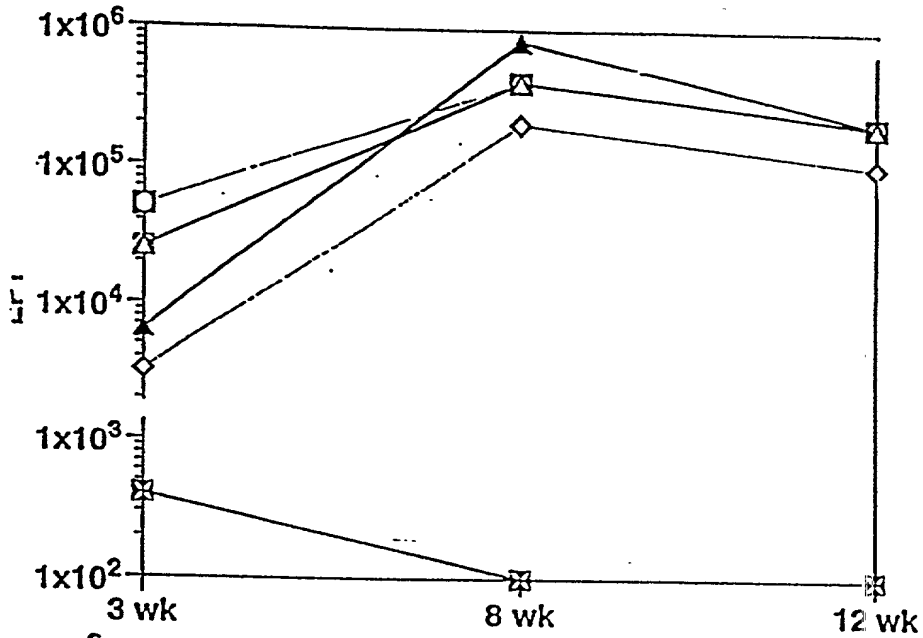


Figure 9  
Sheet 20 of 36

A



FOOT 5805103



C

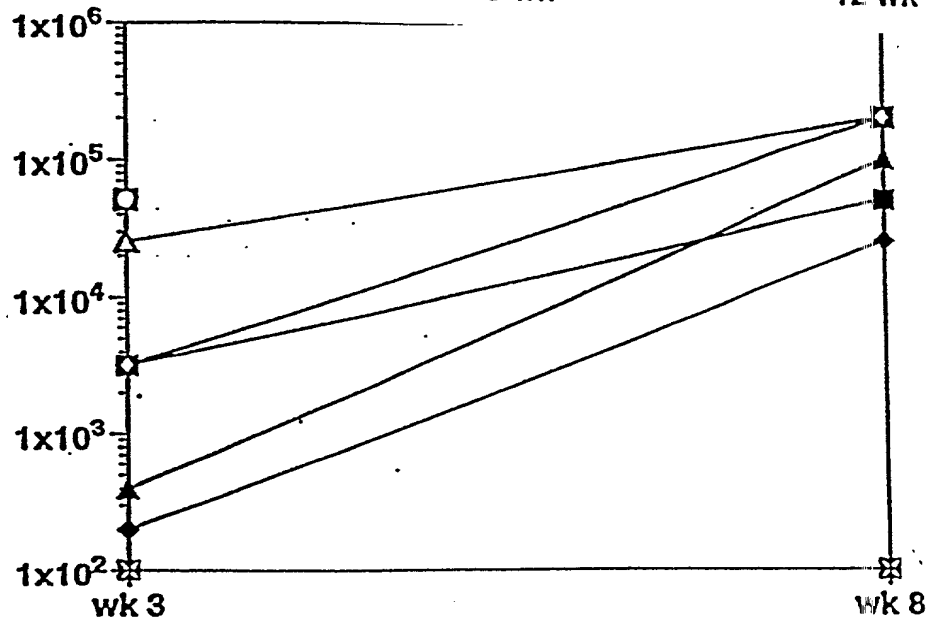
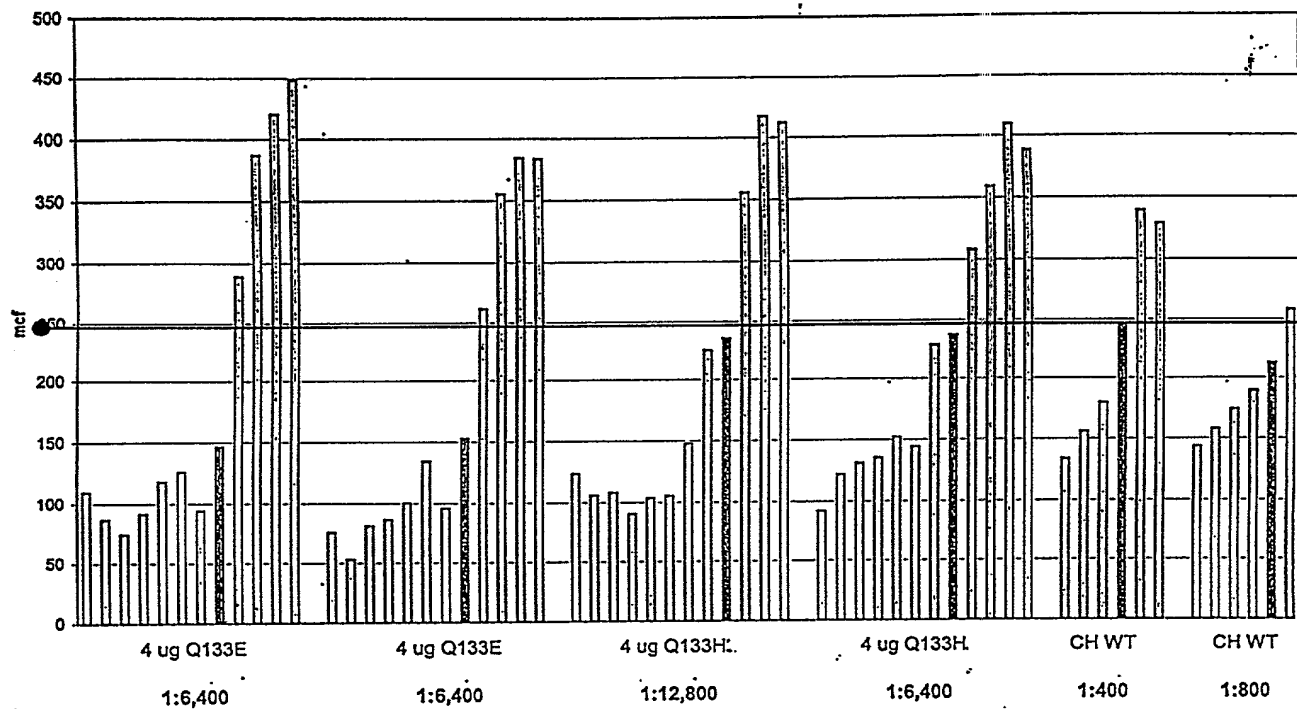


Figure 10  
Sheet 21 of 36

A



B

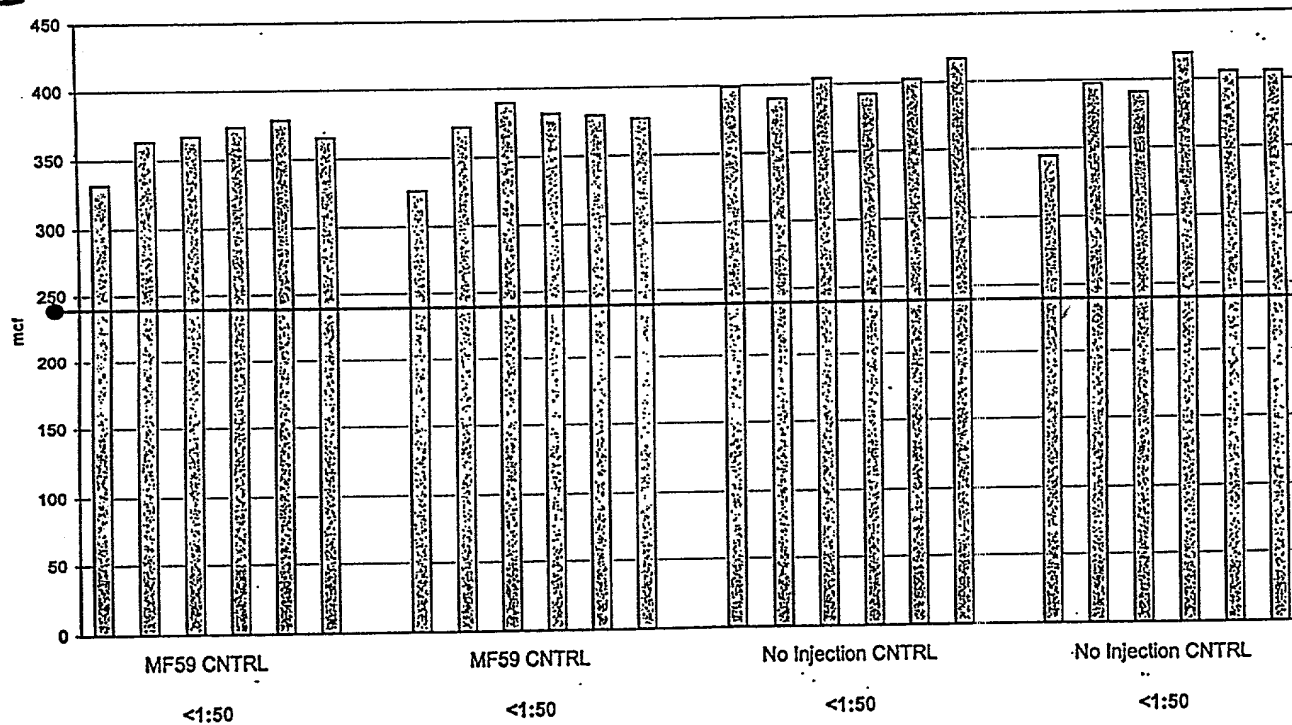


Figure 11  
Sheet 22 of 36

FOOTPRINT 5805 FOOT

D

C

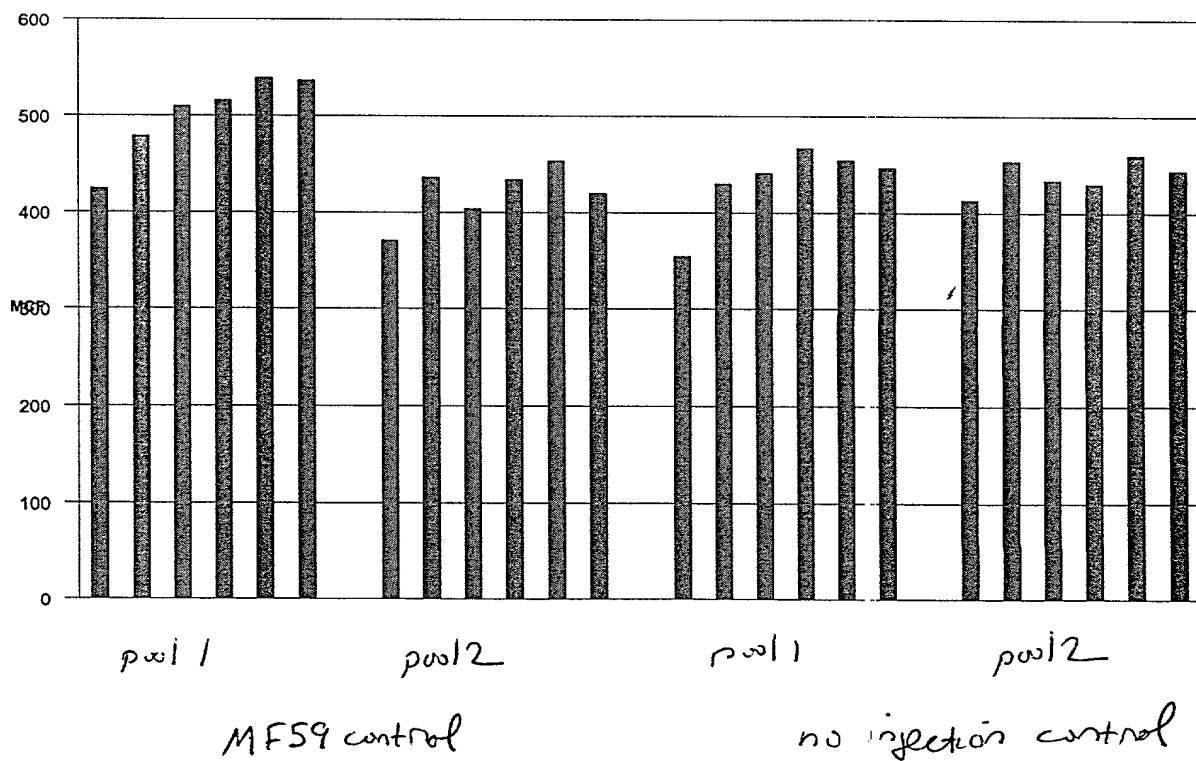
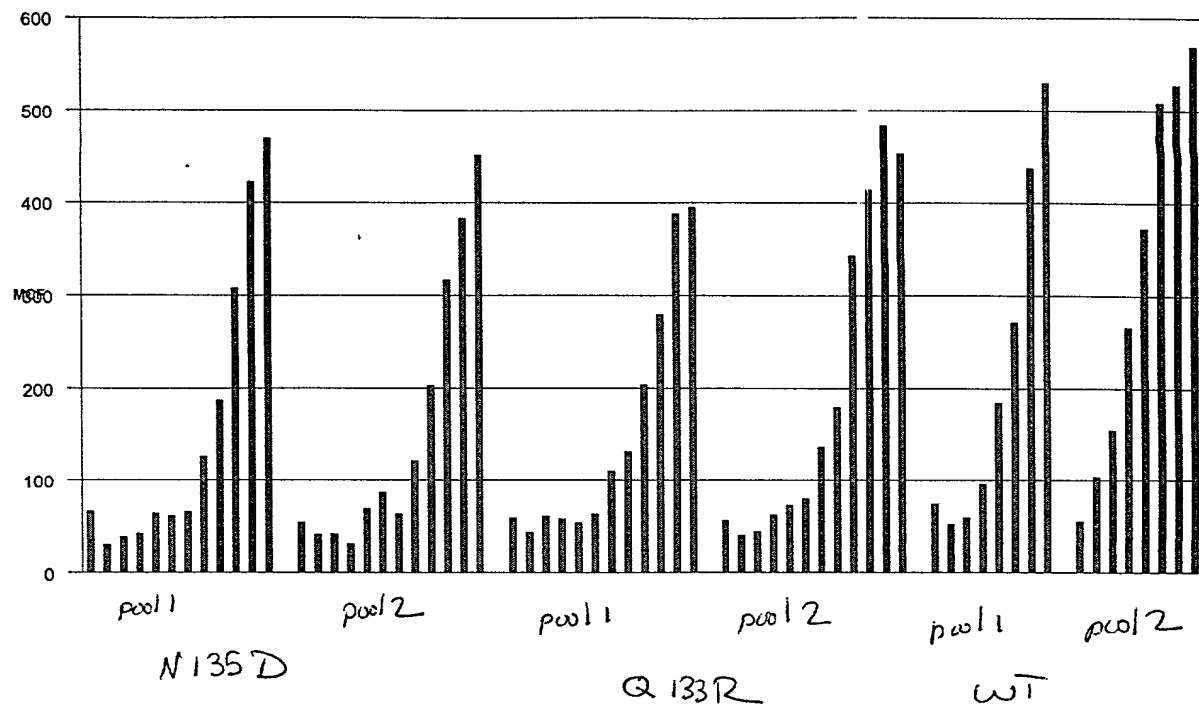


Figure 11  
Sheet 23 of 36

A

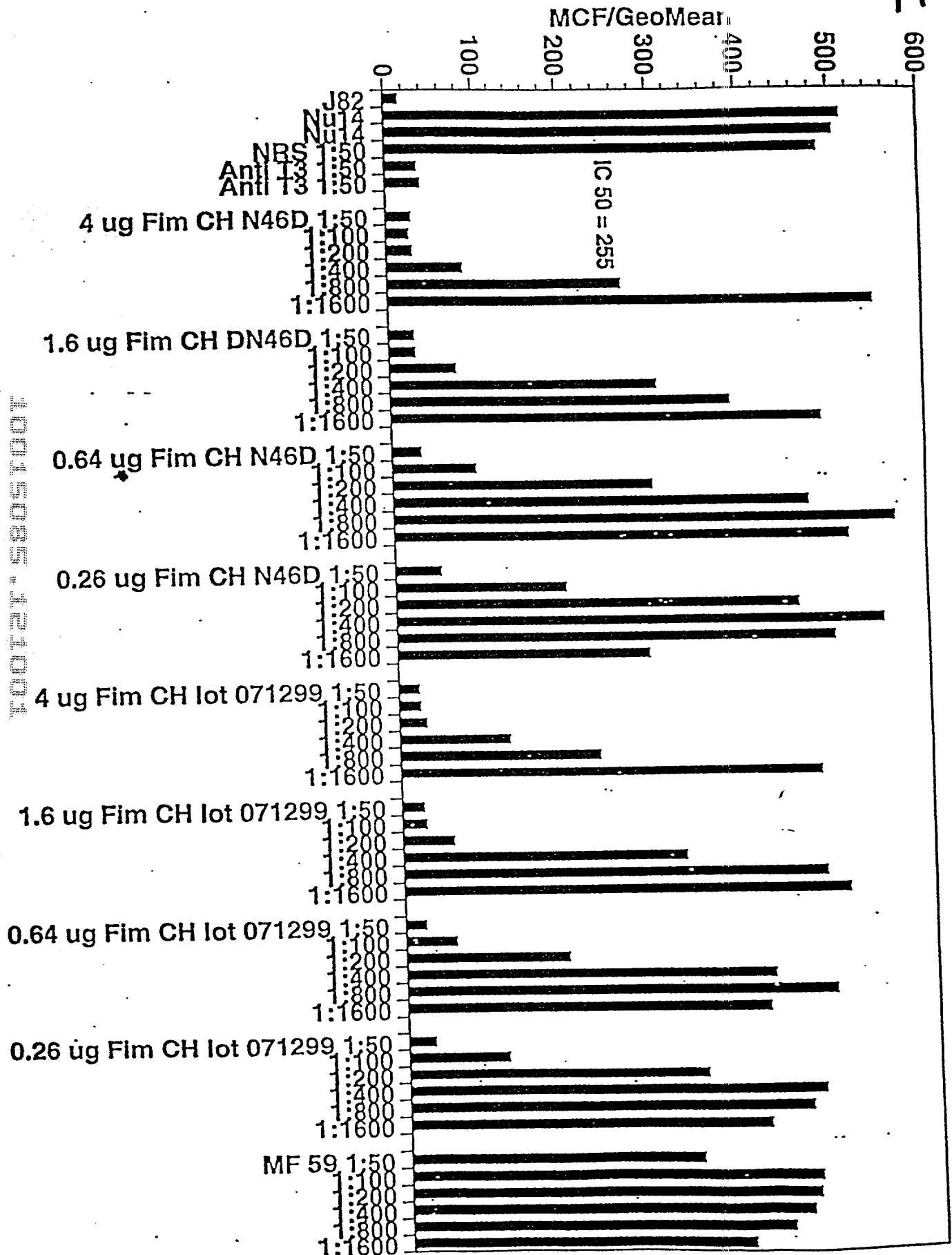


Figure 12  
Sheet 24 of 36



B

MCF/GeoMear

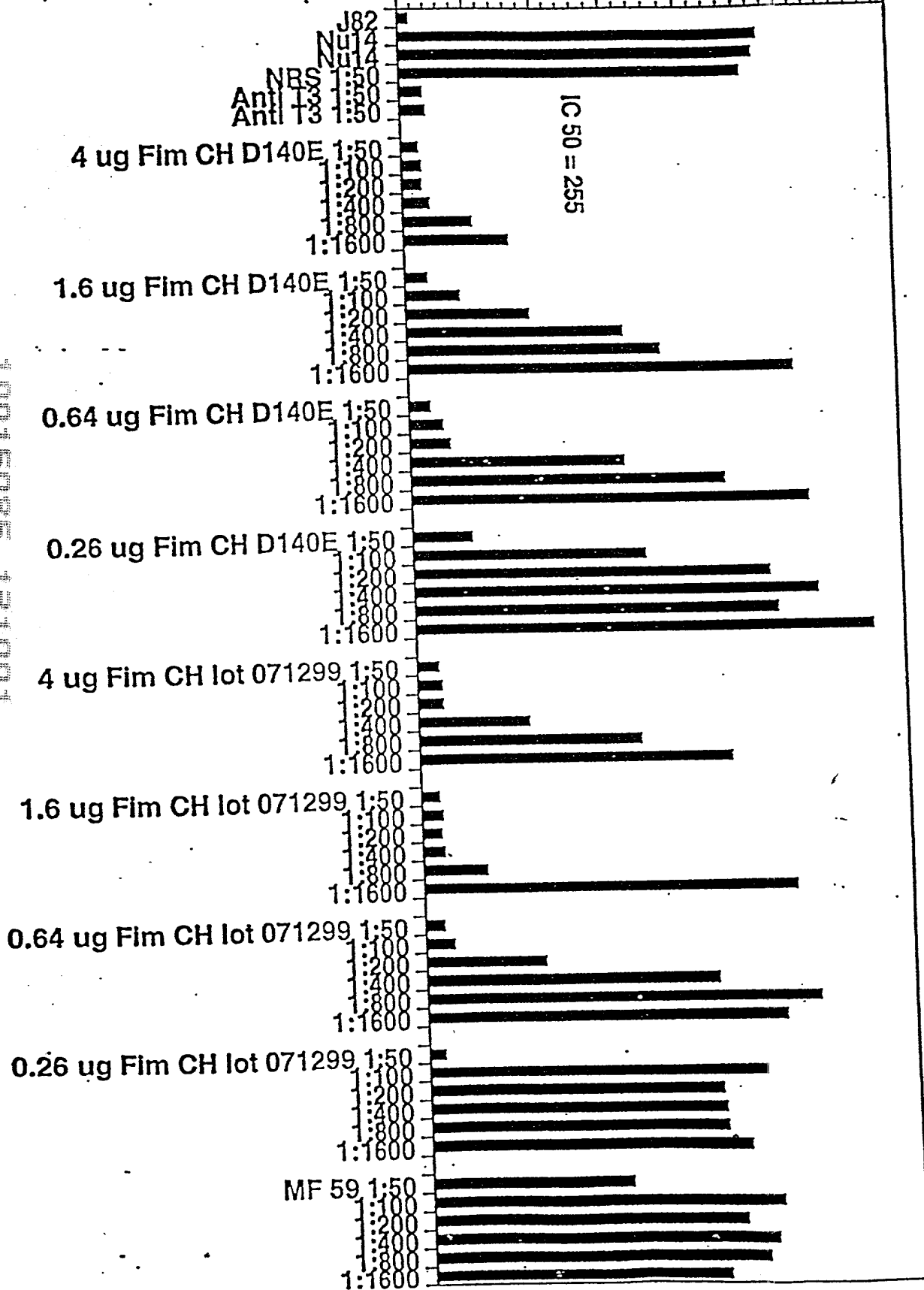


Figure 12  
Sheet 25 of 36

C

MCF/GeoMean

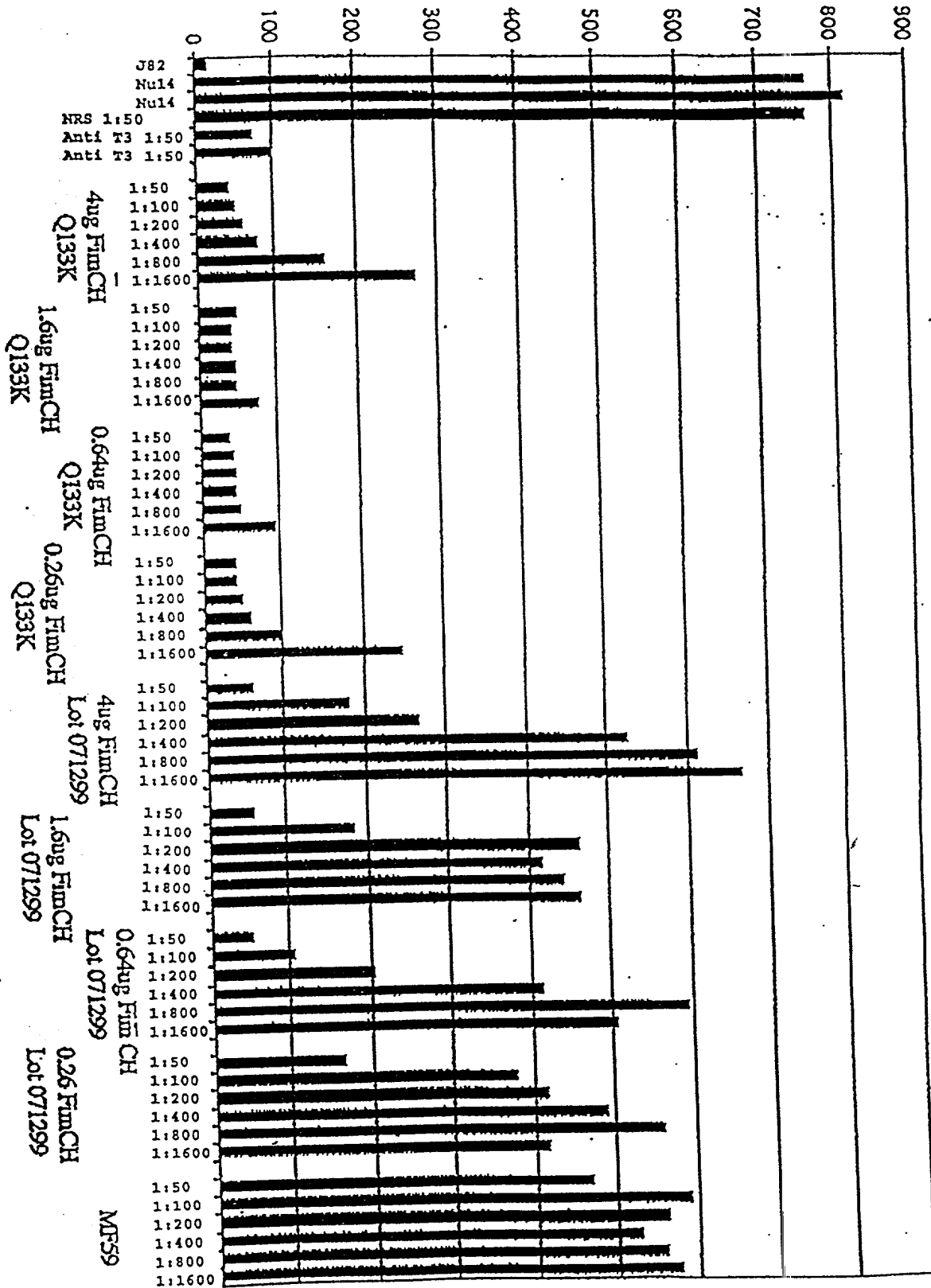


Figure 12  
Sheet 26 of 36

D

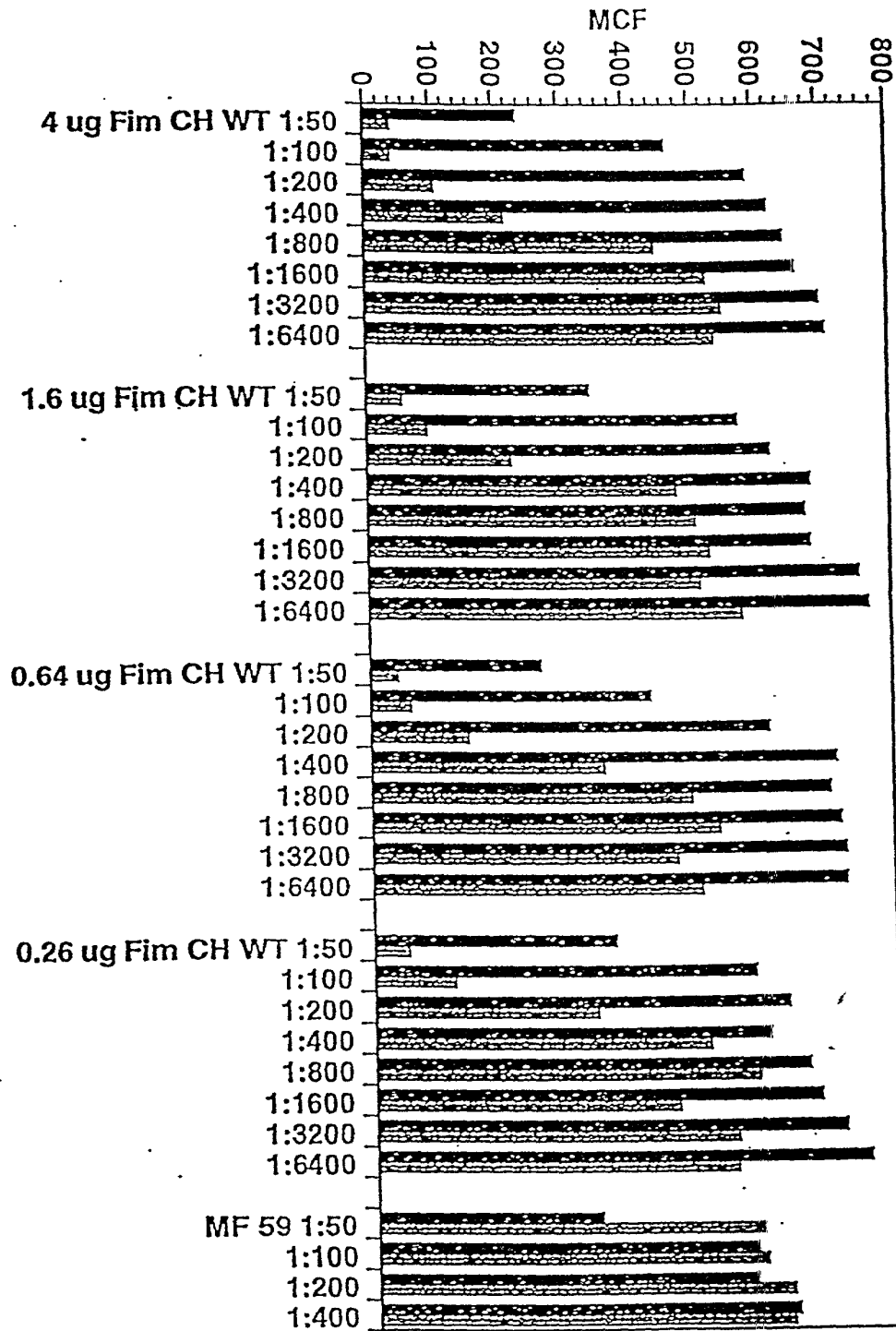


Figure 12  
Sheet 27 of 36

E

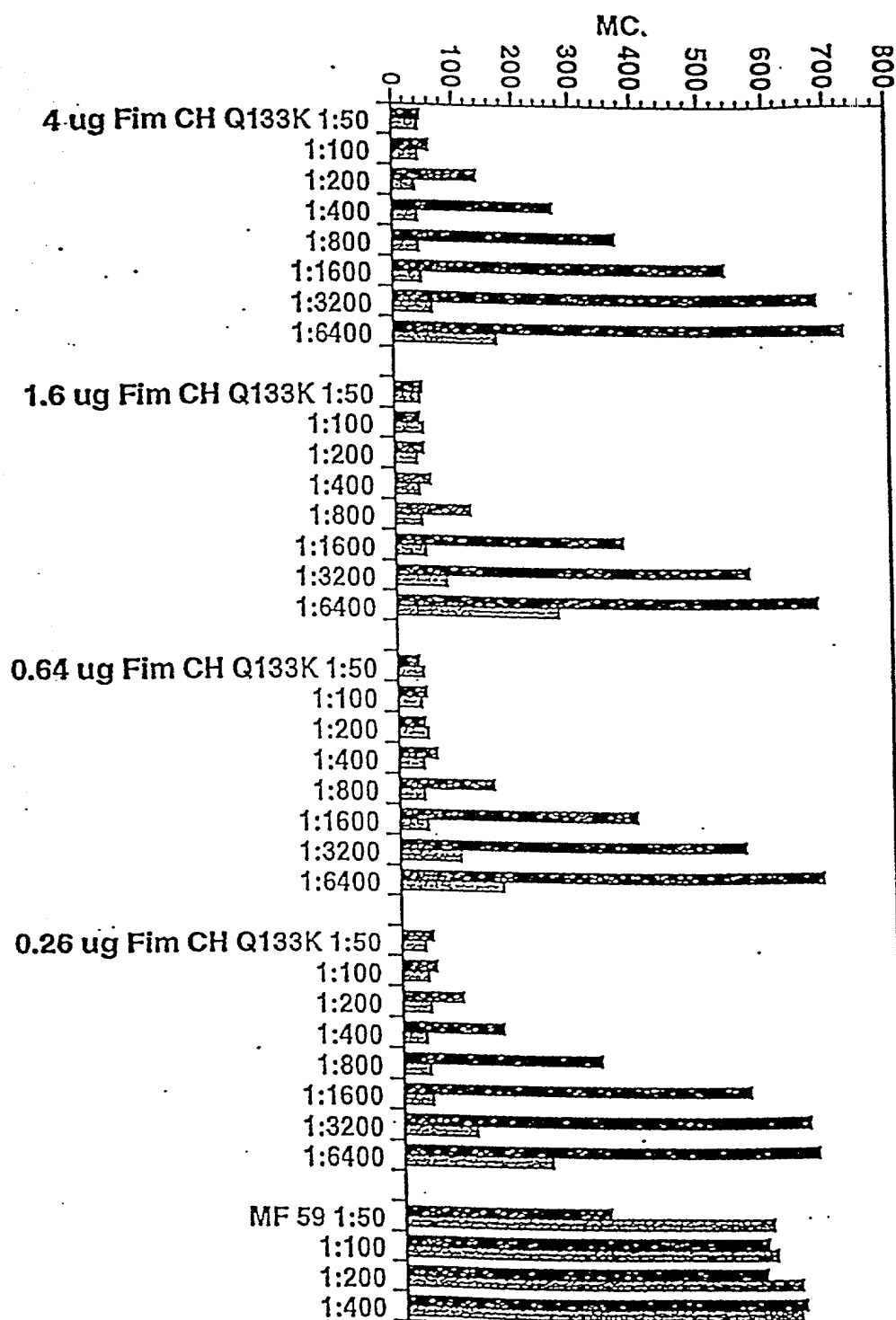


Figure 12  
Sheet 28 of 36

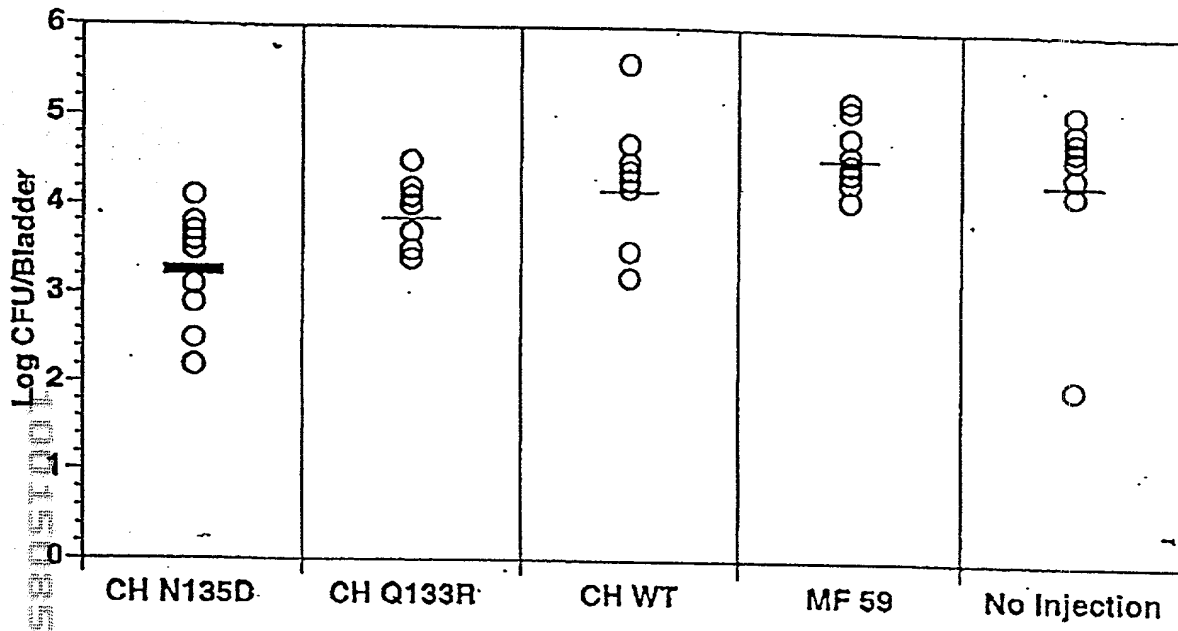


Figure 13  
Sheet 29 of 36

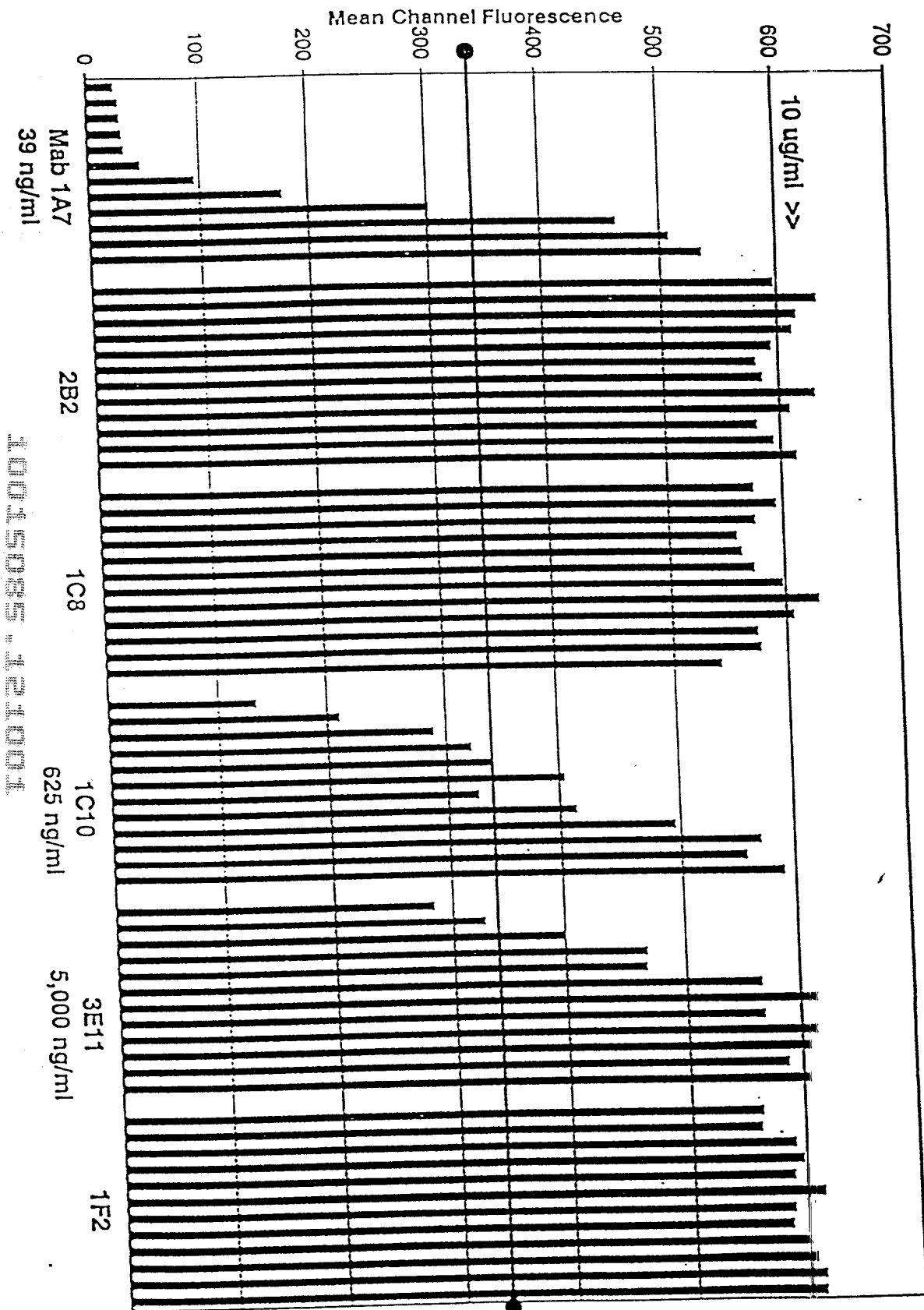


Figure 14  
Sheet 30 of 36

A

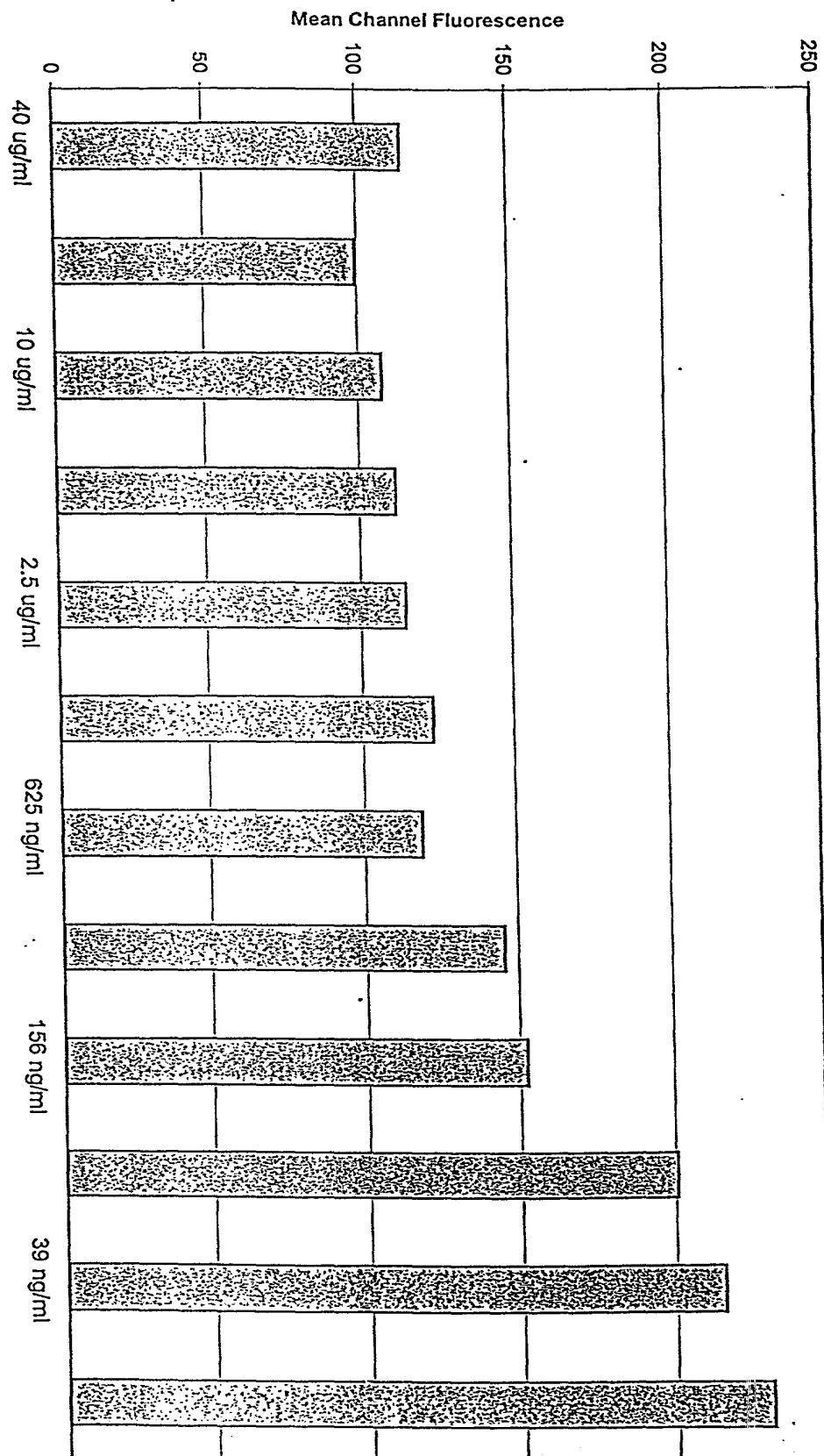


Figure 15  
Sheet 31 of 36

10015085-131001

B

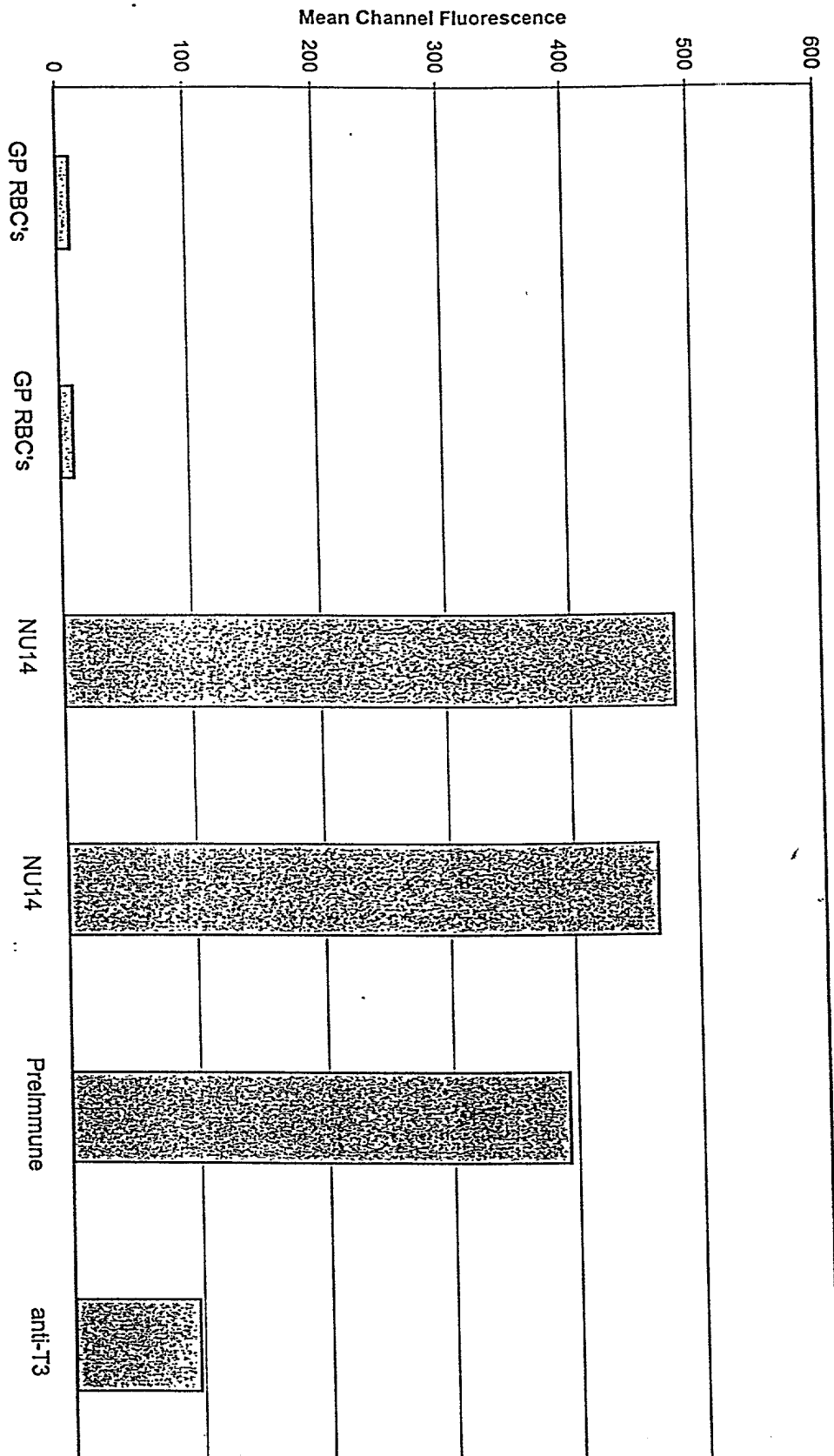


Figure 15  
Sheet 32 of 36

J0015085 121001



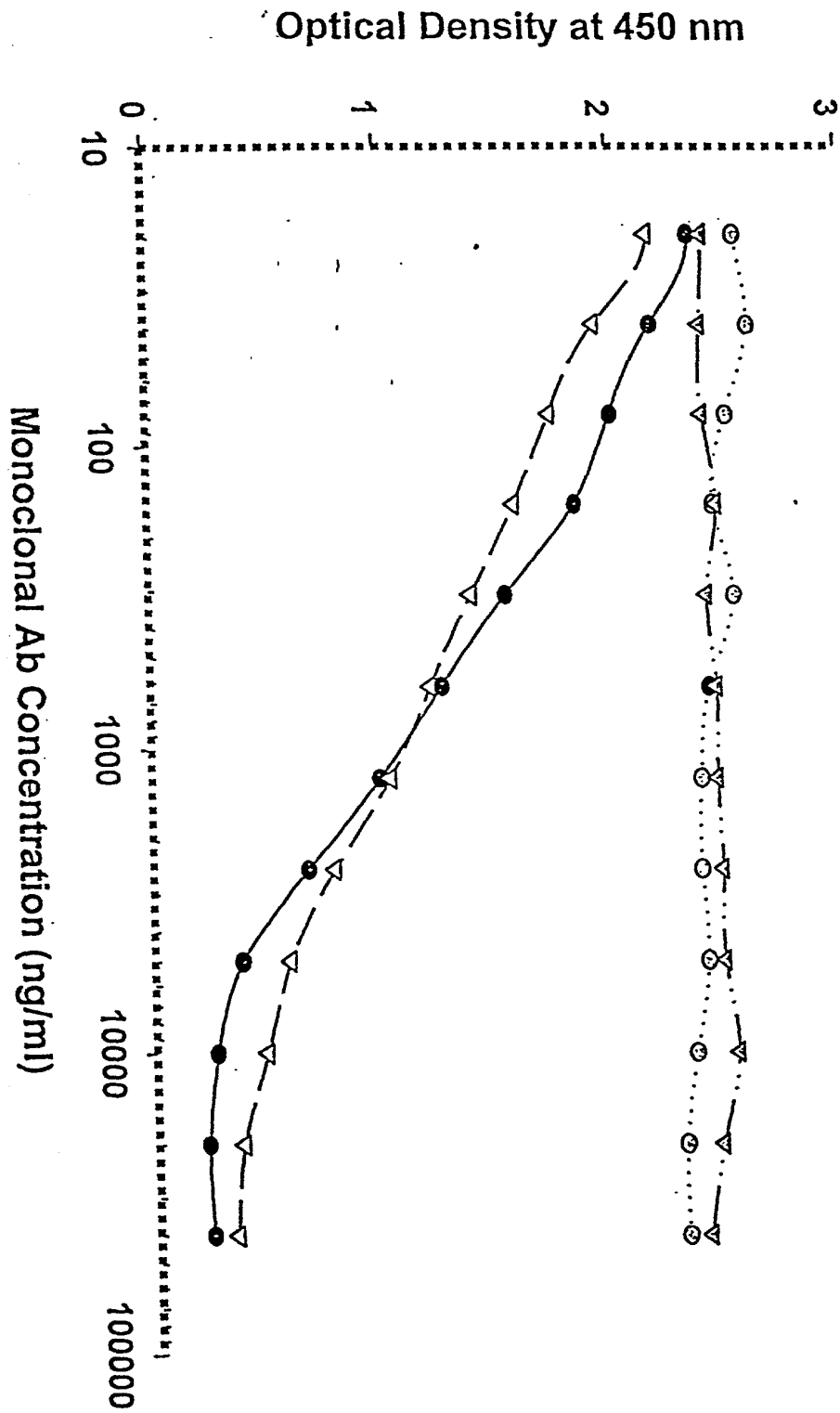


Figure 16  
Sheet 33 of 36

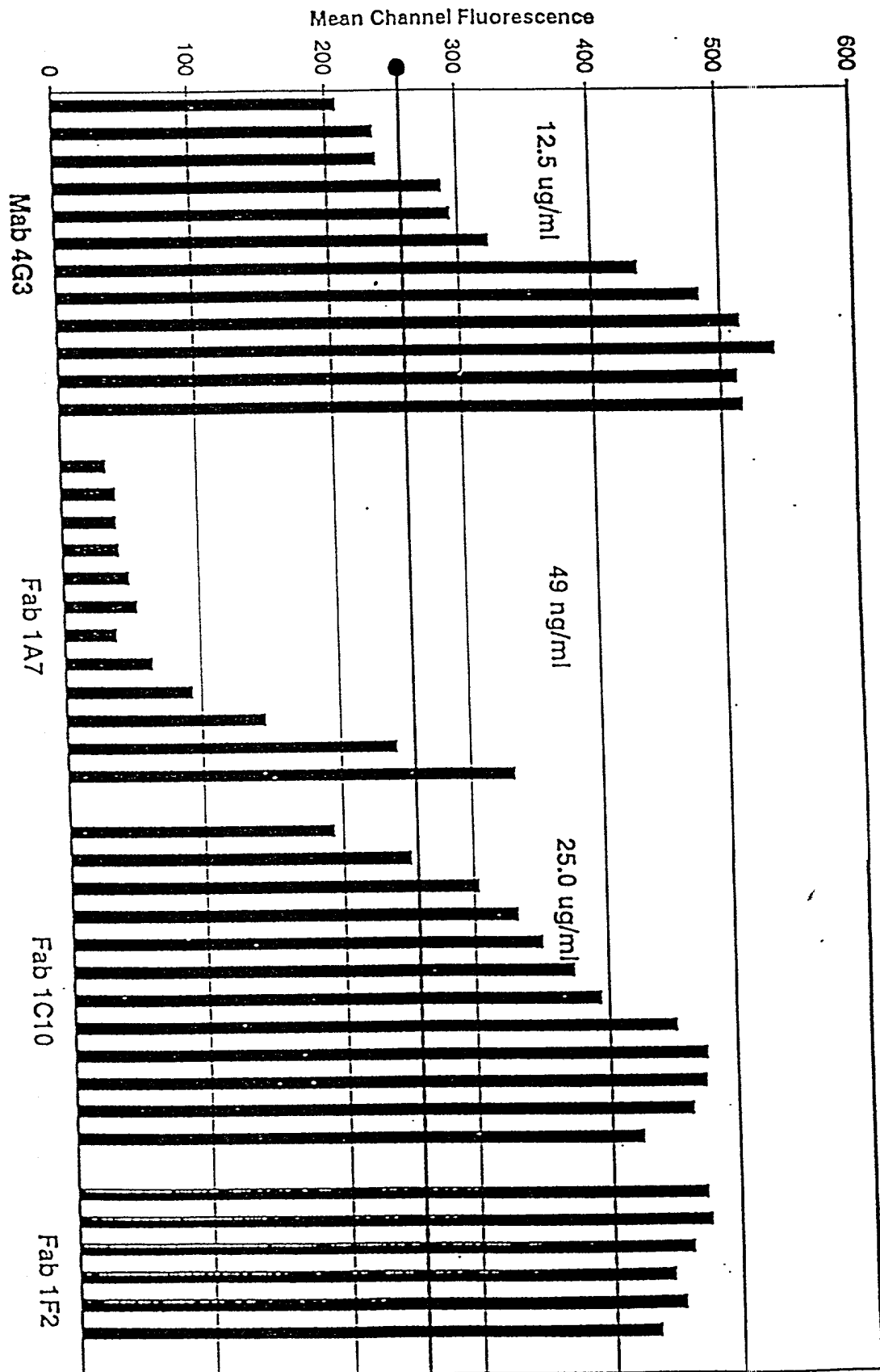


Figure 17  
Sheet 34 of 36

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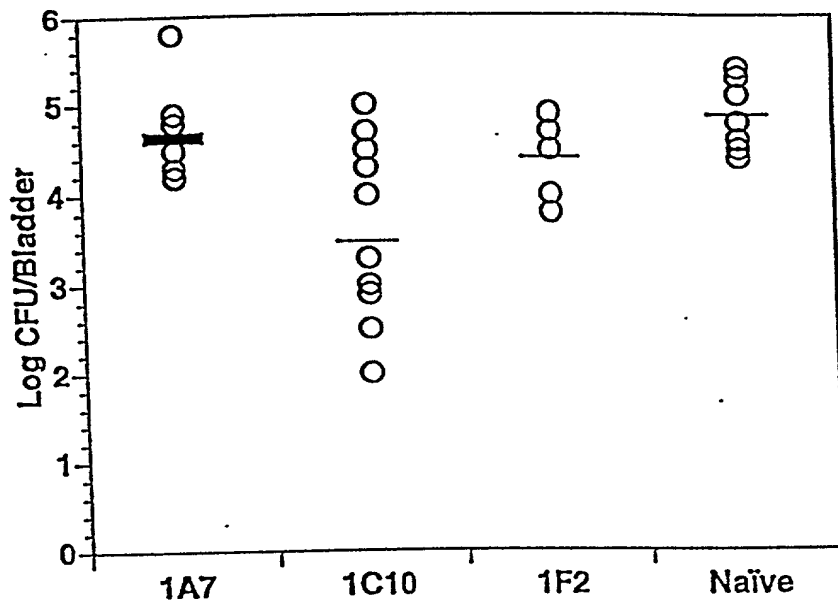
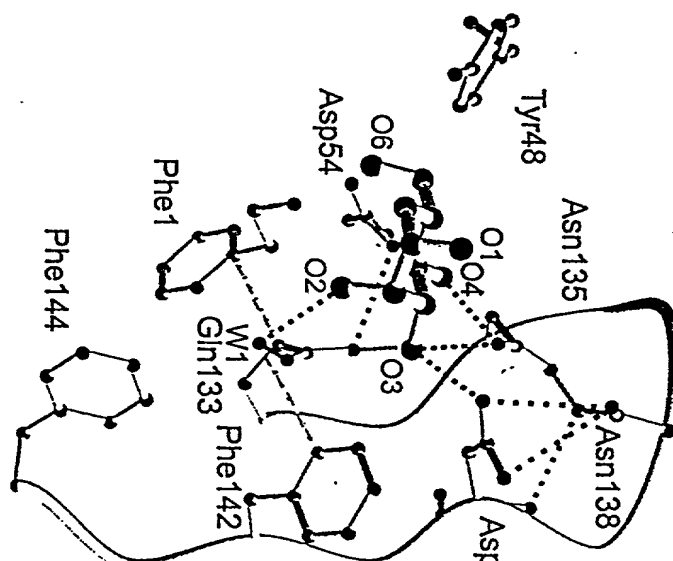


Figure 18  
Sheet 35 of 36

a



b

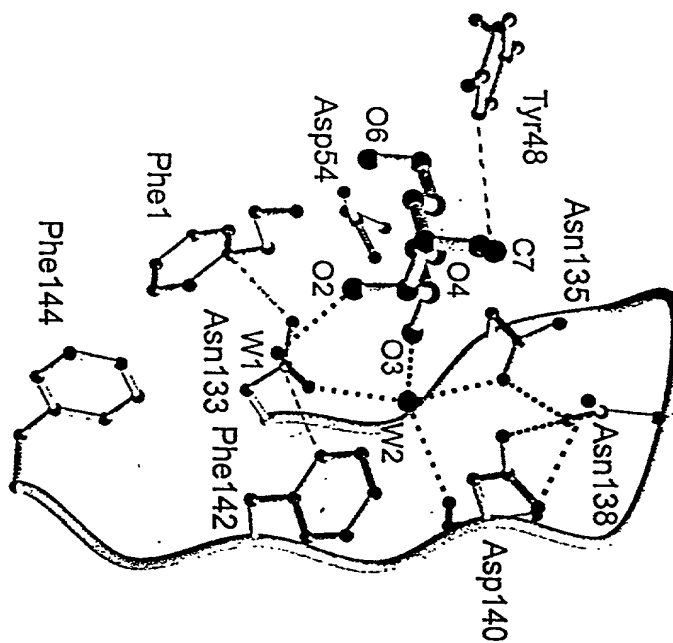


Figure 19  
Sheet 36 of 36